

<110> Young et al.

<120> 207 Human Secreted Proteins

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120

gcccctaact ccgcccagtt ccgcccattc tccgccccat ggctgactaa ttttttttat

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gcacacatct	gtggctccctg	ctacttagga	ggctgagggtg	agaggatcct	tgagcccagg	780
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<210> 19
<211> 959
<212> DNA
<213> Homo sapiens

<220>
<221> SITE
<222> (930)
<223> n equals a,t,g, or c

<400> 19

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ttaaaactct	tgtattcaca	tgccataatt	tgaaacccta	tttcaactgaa	tgagaatggg	180
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gacttgatgt	ggcccccaaca	acagtcaata	atggagtctc	caaaataaag	ctctatagga	360
aaggtaata	cccgtgtcac	aagaaaccac	agcatctagg	ttctaacccc	atctctatga	420
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<210> 20
<211> 1446
<212> DNA

<213> Homo sapiens

<400> 20

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<210> 21

<211> 1471

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (1470)

<223> n equals a,t,g, or c

<400> 21

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tttagtgata tgtaaagaa ggattctaca atagtcatat atttttatat gaatgaatgt 180
tgggttgggc tggagaggta tgtgtgtgta aatataaagg tctcacattc agagtatagc 240
tctgaaataa tggaaactcat gtctacaatt caacatgcat ctgtatagtt acatctcatg 300
taaataataa cagacatatt ttgcagccag taattgacag ttaatgtcca aaacagggtga 360
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gaaaatatat	tagaaaatca	gctttggatt	atacgatttc	taaaatatac	taatacagaa	1380
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<210> 22

<211> 1402

<212> DNA

<213> Homo sapiens

<400> 22

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<210> 23

<211> 1047

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (301)

<223> n equals a,t,g, or c

<400> 23

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nttgggtgggtg	tagataacca	cgtatggcca	aacctagagc	atctaggctc	acaattacta	360
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<210> 24
 <211> 990
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (834)
 <223> n equals a,t,g, or c

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<210> 25
 <211> 1208
 <212> DNA
 <213> Homo sapiens

<400> 25						
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<210> 26
 <211> 1922
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (1022)
 <223> n equals a,t,g, or c

<400> 26						
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aa 1922

<210> 27
<211> 1951
<212> DNA
<213> Homo sapiens

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<221> SITE
<222> (1892)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (1930)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (1934)
<223> n equals a,t,g, or c

<400> 27
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<210> 28
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 <212> DNA
 <213> Homo sapiens

<220>
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 <223> n equals a,t,g, or c

<400> 28

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<210> 29
 <211> 3735
 <212> DNA
 <213> Homo sapiens

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 <223> n equals a,t,g, or c

<220>
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<220>
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 <223> n equals a,t,g, or c

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<211> 1667

<212> DNA

<213> Homo sapiens

<220>

<221> SITE
 <222> (1628)
 <223> n equals a,t,g, or c

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<210> 31
 <211> 1408
 <212> DNA
 <213> Homo sapiens

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 <222> (1385)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (1395)
 <223> n equals a,t,g, or c

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<210> 32

<211> 3186

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (24)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (666)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (682)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (3181)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (3184)

<223> n equals a,t,g, or c

<400> 32

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 nctngg 3186

<210> 33
 <211> 971
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (957)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (964)
 <223> n equals a,t,g, or c

<400> 33
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 agtgttctgc tggagccgat gccaaaaacc atgcatttct tattcagatt cattgttttc 120
 ttttatctgt ggggcctttt tactgctcag agacaaaaga aagaggagag caccgaagaa 180
 gtgaaaatag aagttttgca tcgtccagaa aactgctcta agacaagcaa gaaggagac 240
 ctactaaatg cccattatga cggctacctg gctaaagacg gctcgaaatt ctactgcagc 300
 cggacacaaa atgaaggcca ccccaaatgg tttgttcttg gtgttgggca agtcataaaa 360
 ggcctagaca ttgctatgac agatatgtgc cctggagaaa agcgaaaagt agttataccc 420
 ccttcatttg catacggaaa ggaaggctat gcagaaggca agattccacc ggatgctaca 480
 ttgatttttg agattgaact ttatgctgtg accaaaggac cacggagcat tgagacattt 540
 aaacaaatag acatggacaa tgacaggcag ctctctaaag ccgagataaa cctctacttg 600
 caaagggaat ttgaaaaaga tgagaagcca cgtgacaagt catatcagga tgcagtttta 660
 gaagatattt ttaagaagaa tgaccatgat ggtgatggct tcatttctcc caaggaatac 720
 aatgtatacc aacacgatga actatagcat atttgtattt ctactttttt tttttagcta 780
 tttactgtac tttatgtata aaacaaagtc acttttctcc aagttgtatt tgctattttt 840
 cccctatgag aagatatttt gatctcccca atacattgat tttggtataa taaatgtgag 900
 gctgttttgc aaacttaaaa aaaaawwaaa aaaactsgag gggggcccgt acccaantcg 960
 ccgnatatga t 971

<210> 34
 <211> 1792
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (1767)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (1768)
 <223> n equals a,t,g, or c

<400> 34
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 tagtcacttt aacattgaga cctctgcctc attgaattca ggttttttaa gtacttgaaa 120
 ctcttcagat tctccttatt ttagtttctt tttacattta tgaagtagaa agcattgttt 180
 tgtaaaactgt tttgaaaata aatagcctag tctcttatcc tcttttagcgt ggattaaagg 240
 tgaagttctg caaatgggag agtggttcaca gtagatagct cagattgatt gaacacattt 300
 gaggaagaga ctccctgcatg agataaccagc atttttacaa atacttttta tgtacattct 360
 ttattttgtc attttgcacaa cccctctcccc aagcacatct tctttccttt tactatgtct 420
 atgtagggaa aaacaaaaaca aaaaattgca cttacgttac actcccaaaa tgtgggtaat 480
 ccgtgtcttt caaaaaacat ttctgttttt tgttttgttt tggtcagtc attgcataag 540
 tgacaagttt ggggtgcttg ggcacgtatg tatgaagcgg gagggggatg asaattgcct 600
 gtccctcagt argctgtaaa agtaatttac atgtaagtaa aaagggaaaa tagaatagat 660
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 gtgagaaagc accctcagct tttactgctc ccctccctgc ctgccaacac acttgatgtg 780
 tgcacacagc cctcaagtat ctgtcagatg acctatataa ggtattgaat aagggtattct 840
 tgtcagttta gaaatggact ggataaaact tacttggttg tcattatttt atctcatttg 900
 tccgtgttaca tgccctatgt taagataaatt atattgccac taataatcaa gatgctaaat 960
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tctgtacttt	atctgtaata	aactttgtag	atcctgtgaa	ccattacttt	gcctaaatca	1200
cttgagactt	gagtctttta	taacaaagca	tcaatattca	ctaaagtcaa	tctcttttga	1260
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tataatattt	tgaggatttt	gttgattggc	ctatgtttta	ttgcatagtg	tgaaacgtgt	1440
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ttgcctgtaa	tattttaagct	tctttactga	tgtgtgtgct	ggtaggaaca	tataattttt	1560
gtacattata	tttactgaga	tgttgccctt	tttattttac	aaatactttg	gaattccaat	1620
gtgttttttg	cttccgtgag	gattaatttg	gaaagggttt	taatgacatt	ccactgattt	1680
cagattttgc	ttgagattga	cttcaataaa	ttgtcctgta	tgttccaaaa	aaaaattaaa	1740
aaactcgagg	ggggcccggt	acccaanncg	cgggatatga	tcgtaaacaa	tc	1792

<210> 35
 <211> 896
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (6)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (8)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (870)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (877)
 <223> n equals a,t,g, or c

<400> 35						
agttgnanac	aacaggacct	gagtccttgg	gcagcaccag	taggttgccc	cytgcytcyt	60
gccagcytca	cytgccacyt	tytgccccty	tcgggatgcc	ttcgcagaca	gagytyttcg	120
ctgcctgtgg	tggccaytct	ttgcttttgg	ttgtcttgcc	ccttggcctc	cctttttgtc	180
cccgggcagc	cttgtgtgac	ctgccctttt	ccctcccttc	ctttccagga	caagcacgcc	240
gaggaggtgc	ggaaaaacaa	ggagctgaag	gaagaggcct	ccaggtaaag	cctagaggcc	300
aaagaacttt	ccaggtcagc	cggacagctc	cagcagctcc	acgttccagg	cagcctcgmc	360
cgcgggtgc	gtccccagca	ctgggggtttg	gggggagggg	ggtggccaag	gggcgtttcc	420
tctgcttttg	gtgtttgtac	atgttaagaa	ttgaccagtg	aagccatcct	atttgtttcc	480
ggggaacaat	gacgggggtg	garaggggag	aggagagagt	ttgggaaagg	gagatggaga	540
agaactcaag	gacattgcaa	ccctgcccg	cgcagatctg	attttcacat	ctctacctgg	600
acattgagcc	tcccaggcac	catgttgagg	agagatgaaa	accagggcgg	tagaacttca	660
gggtgaagga	caagatcctg	ggtggggcag	cggctgcagg	gcgcaccaga	gaaccagcc	720
agaggggggtg	tgagtaccag	tgggtgtgct	tccaccctgc	agcagggtgg	atgagggtctg	780
tgtgtgtgtg	tgaaccatca	ttttttgatc	atcatgacca	atgaaacatt	gaaaaaaaaa	840
aaaaaaaaactg	gagggggggcc	cgtacccaan	tcgcognata	gtgatcgtaa	acaatc	896

<210> 36
 <211> 912
 <212> DNA
 <213> Homo sapiens

<400> 36
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 cctgcaagcg cagagcctcc taccagggac catggcagcc cccaggaca gcctcagacc 120
 aggggaggaa gacgaaggga tgcagctgct acagacaaag gactccatgg ccaagggagc 180
 tagggccggg gccakccgcg gcagggctcg ctgggggtctg gcctacacgc tgctgcacaa 240
 cccaaccctg caggctctcc gcaagacggc cctgttgggt gccaatggtg cccagccctg 300
 arggcaggga akgtcaaccc acctgcccac ctgtgctgag gcattgttct gcctaccatc 360
 ctctctccctc cccggctctc ctcccagcat cacaccagcc atgcagccag caggctctcc 420
 ggatcacycg ggttkggtgg aggtctgtct gcaactgggag cctcargarg gctctgctcc 480
 acccacttgg ctatgggaga gccagcaggg gttctggaga aaaaaactgg tgggttaggg 540
 ccttgggtcca ggagccaggt gagccagggc agccacatcc aggcgtctcc ctaccctggc 600
 tctgccatca gccttgagg gcctcgatga agccttctct ggaaccactc cagcccagct 660
 ccacctcagc cttggccttc acgctgtgga agcagccaag gcaattctct accccytacg 720
 cgccacggac ctytytgggg agtggccgga aagctcccs gcttytggcc tgcagggcag 780
 cccaagtcag gactcagacc aggtcccaca ctgagctgcc cacactcgag agccagatat 840
 tttgtagtt tttatkcctt tggctattat gaaagaggtt agtgtgttcc ctgcaataaa 900
 cttgttcttg ag 912

<210> 37
 <211> 1382
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (787)
 <223> n equals a,t,g, or c

<400> 37
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 gagggcctag aagggaagaa ctgtctagtg ggacaatgtc atattataaa tttggaatgc 120
 tgaatagaaa attatagatt ttgatattga aggaaatgaa gcgaagcyta aatgaaaatt 180
 cagctcgaag tacagcaggc tgtttgcctg ttccgttgtt caatcagaaa aagaggaaca 240
 gacagccatt aacttctaata ccacttaaaag atgattcagg tatcagtacc ccttctgaca 300
 attatgattt tctctctcta cctacagatt gggcctggga agctgtgaat ccagagttkg 360
 ctctgtaat gaaaacagtg gacaccgggc aaataccaca ttcagtttct cgtcctctga 420
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 agcctcaatg taaacgaaca aacttagtgg caaatgatgg aaaaaattct tgtccaatga 600
 gttcgggagc tcaacaacaa aaacaattaa gaacacctga acctcctaac ttatctcgca 660
 acaaagaaac cgagctactc agacaaaacac attcatcaaa aatatctggc tgcacaatga 720
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 ataaganaca aatgttggat gatattccag aagacaacac cctgaaggaa acctcattgt 840
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 cagatgttga gatgcagtat tatattaatg tgatgaatga aacttaagta gtgataaaag 1260
 gaagtttagc ataaattata gcagttttct gttattgctt aatttaacct ctccatagtt 1320
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aa

1382

<210> 38
 <211> 872
 <212> DNA
 <213> Homo sapiens

<400> 38
 gggctacttc aaagccctgg gccttatttc ttcaggtaaa aaaatataaa gtcagatctc 60
 atccccgctg gccatgctgt tagacccttt catccttctc ttctgectct tctcaacagc 120
 tgcccagtc tgrtttgaat tcatatacat acagttctaa tactgatgta tttaccctca 180
 taagccactc aacccagaat cttatttgaa ttataatcca gaaacatcag gtgacgtgtg 240
 agactactgt atgagaaaaga gacagtttaa gggtcagtc aatggaaaaa agagttctca 300
 gagctttctt tagcttattc tcatcaaaga gctttctctg cagaaggaac ctactgggtc 360
 ctcttttcca gtcctagaaa tcctgacctc gagtggctta atcctgctag cacctctctc 420
 tcgcactctg gtgccaaatg actccaggaa ctgggccatg atgtgggtgg aatgacctta 480
 ccttgagcat gtcactcatg cattgaacaa cagctaagag cagagcttag agcttagagc 540
 tgggccctgt aaggtgagag gaatcacatc ctgcagaagt ctgtcctgag aagcaggtac 600
 tcctgtcaca gcagagacac agtggatacc tgagtaacaa taatacaaga caggacgtgg 660
 gmacagcaaa agatttgggt gtcagaagar gccgagaaca cctycaggca ggaacattca 720
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 agcaagcaat tgaaatgaaa gccatggcat gggaaaagga gcaactggcca caggagatgc 840
 aacgttgtga tgcaaggcca ctgtggagcc at 872

<210> 39
 <211> 812
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (794)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (806)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (810)
 <223> n equals a,t,g, or c

<400> 39
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 gcttgatgat aataattttt ctcttatgtt aatgttggct cogtttgggt gtttagcttt 120
 tgaaaggagt atgaaaatgc ggaatggggc tttggggctt gaggagggt gatctctagt 180
 gtttaaaaaa tttaattgca caaatagaaa taattcaccc acattattga accccactaa 240
 agcatatcct ttttgcctat attcctttcc tgctgccctc gtgtgtacca ttattactca 300
 gttgtgattt gagctcgttc cacttaaagt cattcataga tacttttgcg tcgtgttkga 360
 atatttattg aattttctatt ctgtgtttta cttaattact ttattatgga acctttacac 420
 aggtctggtg tacttgttct ttgaaaagtc ttatgttgac caccatcact gagcatatag 480
 ctttttctct atttctctgg gataattacc cgaagtggaa ataccgaatc aaacttctgt 540
 tttcttctct tggcactatt atataaattg ttttccaaac aaggcatgt tacaatagac 600
 atttttcaaa atctgggtat ttgtctctat ttgtctctct tatgcagaat tcagcggggt 660

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tgagtaagtt	tcgncatctg	gaaacnttgn	aa			812

<210> 40
 <211> 1515
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (69)
 <223> n equals a,t,g, or c

<400> 40						
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caacacgtnt	cccacaaagg	gagcagacac	tgggcttgtg	aagctgcccc	ataccttccc	120
cacagaactg	gggtccggcc	tccttgacat	gcagatttcc	accagaaga	cagagaagga	180
gccagtggtc	atggaatggg	ctgggggtcaa	agactgggtg	cctgggagct	gaggcagcca	240
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gttttgaggtc	acgggcctcc	acgacgtgga	ccaagggtgg	atgcgagctg	tcaggaagca	720
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aaaaaaaaaa	aaaaa					1515

<210> 41
 <211> 704
 <212> DNA
 <213> Homo sapiens

<400> 41						
aagatgggtg	cgcccagagc	ttcgctctat	gctgctcccc	tgagagaggc	gtttccatca	60
accagttttg	caaggagttc	aatgagagga	caaaggacat	caaggaaggc	attcctctgc	120
ctaccaagat	tttagtgaag	cctgacagga	catttgaaat	taagattgga	cagccactg	180
tttctactt	cctgaaggca	gcagctggga	ttgaaaagg	ggcccggcaa	acagggaag	240
aggtggcagg	cctggtgacc	ttgaagcatg	tgtatgagat	tgcccgcatc	aaagctcagg	300
atgaggcatt	tgccctgcag	gatgtacccc	tgctgctctg	tgcccgctcc	atcatcgggt	360
ctgcccgttc	tttgggcatt	cgcgtgggtg	aggacctcag	ttcagaagag	cttgacagctt	420
tccagaagga	acgagccatc	ttcctggctg	ctcagaagga	ggcagatttg	gctgcccagg	480

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<210> 42
<211> 1094
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> SITE
<222> (226)
<223> n equals a,t,g, or c
```

```
<220>
<221> SITE
<222> (302)
<223> n equals a,t,g, or c
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<220>  
<221> SITE  
<222> (596)  
<223> n equals a,t,g, or c
```

```
<220>  
<221> SITE  
<222> (952)  
<223> n equals a,t,g, or c
```

<400>	42						
ggcagcttttc	ttacaaaccc	atcctttctga	aatgttgott	caaatttcac	ctctgctccc		60
cagtcccaact	attccacaca	tactgttact	gtttctttat	cctactttct	caatttttga		120
acatagttgc	agttactgca	ttgaataacct	gtgggtttgc	ctgttggtct	gtctgtctct		180
gtgggtctctg	taatantgga	tcccagagat	aaaatggaca	gttgtnatgc	acagttaatt		240
cagaaactag	accttacttg	ctgtgtgaaa	taccaactaa	attctcagtg	aactcagctg		300
ancrtttatct	ccttttgttt	cccccaattta	taattttcagt	tcagggccag	aaagatggaa		360
tcccagctaa	gaaatacaag	ttacaccctg	tactagcagc	ccatgtgtgc	atgtttcttta		420
agtgcctctg	cagctatgtc	atttatattg	atttccctgt	attattataa	gcaaaagcaaa		480
tttgaggaaa	aaaacccata	ataccacacc	tcattttttt	caagtaatag	ggtcataagt		540
ctcatyctyc	atataatatg	ttgagtatgc	agtatattat	gtgttaggct	ctgganaggc		600
agagggttaga	tcatgtwaca	gatcatatck	gattaggcag	ataaacagta	ttttaacctt		660
ttccttatta	tatgtaactt	gctttcaggt	tttttaatgt	tactattatg	tctttaatat		720
attatcttta	tctgtacttt	tgtatacaga	gtgattttcc	ttttttaaaa	aaaatttgtgt		780
ctttaggatg	gattccaaag	atgtggaatc	agtaggttta	aggaatatgg	atattttggc		840
tggcaagggtg	gctcacacct	gtaatcccag	cactttggga	ggctgaggtg	ggtggatcac		900
ctgaagtcag	gagttcgaga	ccagcctgac	caacatggcg	aaacctgtt	tnactaaag		960
acacacwwaa	aatttgcacg	tgggtggtggc	atgtgcttgt	agtcaccact	agctactcga		1020
gaggctgag	caggagaatc	gcttgaacct	gggaggcaga	ggttcgcagt	aggcaagatg		1080
gcacctctac	actc						1094

<210> 43
 <211> 1821
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (1801)
 <223> n equals a,t,g, or c

<400> 43

tggttaggc	catcaccctt	cccttggtcg	gaactactgg	acagaccctt	ttgagatgtg	60
cctgtggtgc	tgtggagatg	tgtgtagtgg	tcttagctct	ttgttgagct	tgtgtgtgtg	120
ttgtgtagtc	ttagctgtat	gctgaaattg	ggcgtgtgtt	ggagggcttc	ttagctcttt	180
ggtgagattg	tattttctatg	tgtttgatc	asctgaatgt	tgctggaaat	aaaaccttgg	240
tttgtmaagg	ctcytttttg	tgggaagtaa	gtaggggaaa	aggtctttga	gggttcctag	300
gctcctttgt	acaacaggaa	aatgcctcaa	agccttgctt	cccagcaacc	tggggctggt	360
tcccagtgcc	tggtcctgcc	ccttcctggt	tcttatctca	aggcagagct	tctgaatttc	420
aggccttcat	tccagagccc	tcttggtggc	agccttccct	ttgctggagg	aaggtacaca	480
gggtgaagct	gatgctgtac	ttgggggagc	tccttggcct	gttccaccaa	gtgagagaag	540
gtacttactc	ttgtacctcc	tggtcagcca	ggtgcattaa	cagacctccc	tacagctgta	600
ggaactactg	tcccagagct	gaggcaaggg	gatttctcag	gtcatttgga	gaacaagtgc	660
tttagtagta	gtttaaagta	gtaactgcta	ctgtatttag	tgggggtggaa	ttcagaagaa	720
atttgaagac	cagatcatgg	gtggtctgca	tgtgaatgaa	caggaatgag	ccggacagcc	780
tggtgtcat	tgctttcttc	ctccccattt	ggaccttctt	ctgcccttac	atttttgttt	840
ctccatctac	caccatccac	cagtctattt	attaacttag	caagaggaca	agtaaagggc	900
cctcttggtc	tgattttgct	tctttctttc	tgtggaggat	atactaagtg	cgactttgcc	960
ctatcctatt	tggaaatccc	taacagaatt	gagttttcta	ttaaggatcc	aaaaagaaaa	1020
acaaaatgct	aatgaagcca	tcagtcaagg	gtcacatgcc	aataaacaat	aaattttcca	1080
gaagaaatga	aatccaacta	gacaaataaa	gtagagctta	tgaaatgggt	cagtaaggat	1140
gagtttggtg	ttttttgttt	tgttttgttt	tgktttttta	aagacggagt	ctcgtctcgt	1200
cactcaggct	ggagtgcagt	ggtatgatct	tggctcactg	taacctcgc	ctccggggtt	1260
caagccattc	tcctgcctca	gtctcctgag	tagctgggat	tacagggtgc	tgccaccatg	1320
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atggctctgt	gaatttgagg	tgaatggttc	cttattgtct	aggccacttg	tgaagaatat	1620
gagtcagtta	ttgccagcct	tgggaatttac	ttctctagct	tacaatggac	cttttgaact	1680
ggaaaacacc	ttgtctgcat	tcactttaaa	atgtcaaaac	taatttttat	aataaatgtt	1740
tattttcaca	ttgaaaaaaa	aaaaaaattt	aaaaacycgg	ggggggcccs	gwacccatt	1800
ngcccctaag	gggggggggt	t				1821

<210> 44
 <211> 1024
 <212> DNA
 <213> Homo sapiens

<400> 44

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ggcaagaact	gcaccgcagg	gcctgtctaca	cctaccacga	gaagaagaag	gacacagcgg	120
cctcgggcta	tgggaaccag	aacattcgac	tgagccggga	tgccgtgaag	gacttcgact	180
gctgttgctt	ctccctgcag	ccttgccacg	atcctgttgt	caccccagat	ggctacctgt	240
atgagcgtga	ggccatcctg	gagtacattc	tgcaccagaa	gaaggagatt	gcccggcaga	300
tgaaggccta	cgagaagcag	cggggcaccc	ggcgcgagga	gcagaaggag	cttcagcggg	360
cggcctcgca	ggaccatgtg	cggggcttcc	tggagaagga	gtcggctatc	gtgagccggc	420
ccctcaaccc	tttcacagcc	aaggccctct	cgggcaccag	cccagatgat	gtccaacctg	480


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ggccccagtgt gggctcctcca agtaaggaca aggacaaagt gctgcccagc ttctggatcc 540
cgctcgctgac gcccgaagcc aaggccacca agctggagaa gccgtcccgc acggtgacct 600
gccccatgtc aggggaagccc ctgcgcattgt cggacctgac gccgtgacac ttccacaccgc 660
tagacagctc cgtgggaccgc gtgggggtca tcaccgcgag cgagcgctac gtgtgtgccc 720
tgaccgcgca cagcctgagc aacgccaccc cctgcgctgt gctgcggccc tctggggctg 780
tggtcacct cgaatgcgtg gagaagctga ttcggaagga catggtggac cctgtgactg 840
gagacaaact cacagaccgc gacatcatcg tgctgcagcg gggcgggtacc gtttcgctgg 900
ctccggagtg aagctgcaag cggagaaatc acggcgggtg atgcaggcct gagtgtgtgc 960
gggagaccaa ataaaccggc ttgggtgcgc aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 1020
aaaa 1024

```

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<210> 45
<211> 983
<212> DNA
<213> Homo sapiens

```

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<220>
<221> SITE
<222> (976)
<223> n equals a,t,g, or c

```

```

<400> 45
cgacacggct gcgagaagac gacagaaggc cccgaccgag agccgtccag gtctcagtgc 60
tgtgcccccc ccagagccta gaggatgttt catgggatcc cagccacgcc gggcatagga 120
gccccctggga acaagccgga gctgtatgag gaagtgaagt tgtacaagaa cggccgggag 180
agggagaagt acgacaacat ggcagagctg tttgcgggtg tgaagacaat gcaagccctg 240
gagaaggcct acatcaagga ctgtgtctcc cccagcgagt acactgcagc ctgctcccgc 300
ctcctggtcc aatacaaacg tgcccttcagg cagggtccagg gctcagaaat cagctctatt 360
gacgaattct gccgcaagtt ccgcctggac tgcccgtctg ccatggagcg gatcaaggag 420
gaccggccca tcaccatcaa ggacgacaag ggcaacctca accgctgcat cgcagacgtg 480
gtctcgctct tcacacgggt catggacaag ctgcgccttg agatccgcgc catggatgag 540
atccagcccc acctgcgaga gctgatggag accatgcacc gcatgagcca cctcccaccc 600
gactttgagg gccgcccagac ggctcagccag tggctgcaga cctgagcgg catgtcggcg 660
tcagatgagc tggacgactc acaggtgcgt cagatgtgtg tcgacctgga gtcagcctac 720
aacgccttca accgcttcct gcatgcctga gcccggggca ctagcccttg cacagaaggg 780
cagagtctga ggcgatggct cctggctccc tgcccgccac acaggccgtg gtcattccca 840
caactcactg tctgcagctg cctgtctggt gtctgtcttt ggtgtcagaa cttttggggc 900
gggccccctc ccacaataaa gatgtctctc gaccttcaa aaaaaaaaaa aaaaaaaagr 960
ksgggccggt ccccantccc ccc 983

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<210> 46
<211> 2421
<212> DNA
<213> Homo sapiens

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```

<400> 46
ccggctgac gctgcgctc cgccaatata atagagccak ccactaccag cagcctggcc 60
ctcttctctc ttctccagag agaccaatcc agccgaactc ggggtttgcc tgaggagaag 120
gaggaagtga ccatggacac aagtgaatac agacctgaaa atgatgtcc agaacctccc 180
atgcctattg cagaccaagt cagcaatgat gaccgcccgc agggcagtg tgaagatgag 240
gagaagaaaag agagctcgct gcccaaatca ttcaagagga agatctccgt tgtctcagct 300
accaaggggg tgccagctgg aaacagtgac acagaggggg gccagcctgg tcggaaacga 360
cgctggggag ccagcacagc caccacacag aagaaacctt ccatcagtat caccactgaa 420
tcactaaaga gctcatccc cgacatcaaa cccctggcgg ggcaggaggc tgttgtggat 480
cttcatgctg atgactctcg catctctgag gatgagacag agcgtaattg cgatgatggg 540
acctatgaca aggggctgaa aatatgccgg acagtcactc aggtagtacc tgcagagggc 600

```

caggagaatg ggcagagggga agaagaggaa gaagagaagg aacctgaagc agaacctcct 660
 gtacctcccc aggtgtcagt agaggtggcc ttgccccac ctgcagagca tgaagtaaag 720
 aaagtgactt taggagatac cttaactcga cgttccatta gccagcagaa gtccggagtt 780
 tccattacca ttgatgacct agtccgaact gccaggtgc cctccccacc ccggggcaag 840
 attagcaaca ttgtccatat ctccaatttg gtccgtcctt tcaacttagg ccagctaaag 900
 gagttgttgg ggcgcacagg aaccttggtg gaagaggcct tctggattga caagatcaaa 960
 tctcattgct ttgtaacgta ctcaacagta gaggaagctg ttgccacccg cacagctctg 1020
 cacggggtca aatggcccca gtccaatccc aaattccttt gtgctgacta tgccgagcaa 1080
 gatgagctgg attatcacccg aggcctcttg gtggaccgtc cctctgaaac taagacagag 1140
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 accacctccc tgggtactta cagccttctc ttgggaacag ccggggccag gactgggtca 2220
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 tctgtctctg agcccttgcc tctttccac aggttccact ttatatccac cttttccttt 2340
 tgttcaattt ttatttttat tttttttatt attaaatgat gtggtctatg gaaaaaaaaa 2400
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<210> 47
 <211> 840
 <212> DNA
 <213> Homo sapiens

<400> 47
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 cgcacccaac ctcaataagc ktattttgata aaakatatgc aagctccctt tatkcacttt 120
 tcattcagaa tgttttagtaa tttgtattgt ttttcagatt ttcagcccaa tatatctccy 180
 tgcccaactgt gtcactgtat tetacctawa catcatcacg tgtttctgct attggctgta 240
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 ggaaaccaga arctttgaat tcaagccttg gttctgcctt gtttttgctt ggggtggcctt 360
 gagtcagcca catacctttt aaaatctcaa tttattagaa attattccaa atcaaaatca 420
 aatgagaagg tatatacaaa agtgctttat ccacacaataa actattcaag agagagcaaa 480
 ggagaggaca ttactcaac acctoctaaa aggcagccag tgaaattagg cattttattt 540
 aatcctctctg gcaactctga gagtaaagca ttattaatcc cattttggct gtttaaagaa 600
 attattttgca ctagattcca gctgtagttt agyttcagaa aaaaaaatcc tgagatgtga 660
 attcacagct ttctgggttt aaageccaag ctctatcaca tcatgctatt attgttacat 720
 tactgctagt tctatgaaaa gaaatactaa tttatgaaat acatcttata caaaaaaaa 780
 aaaaaaaaaac tgggaggggg ggcccgtacc caaatcgccg gatagtgatc gtaaacaaac 840

<210> 48
 <211> 2432
 <212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (593)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (2049)

<223> n equals a,t,g, or c

<400> 48

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cggtcataca	accaggagca	ctcccagagc	ttcacgtttg	atgatgcccc	acaggaggac	180
cggaagagac	tggcggaastg	ctggctctccg	tcctggaaca	gggcttgcca	ccctcccacc	240
gtgtcatctg	gctgcagagt	gtccgaatcc	tgtcccggga	ccgcaactgc	ctggaccctg	300
tcaccagccg	ccagagccctg	caggcaytag	cctgytatgy	tgacatctct	gtctctgagg	360
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ttgacttgcg	gtcctctctc	ctgctaaagg	cactccgcac	cgatgtgccc	canagctgtt	600
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ctactgggtt	agactacact	tacaacaagg	aaaatgcccc	tcgtgtgacc	atagattgag	2340
atttatacca	cataccacac	atagccacag	aaacatcatc	ttgaaataaa	gaagagtttt	2400
ggacaaaaaa	aaaaaaaaaa	aaaaaaaaaa	aa			2432

<210> 49

<211> 1742

<212> DNA
<213> Homo sapiens

<220>
<221> SITE
<222> (35)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (570)
<223> n equals a,t,g, or c

<400> 49

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gttttgtttc	gttcaacctc	gtctagatgc	aacttttgtt	cctcctcccc	caccccagcc	180
cccagcttca	tgcttctctt	cgcactcag	ccgacctgcc	ctgtcctcgt	ggtgagtcgc	240
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gtgcaggtca	gggcaggtcc	tctgagccgg	cgccccctgg	cagcaggcga	ggctacagta	480
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cg						1742

<210> 50
<211> 1487
<212> DNA
<213> Homo sapiens

<220>
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<222> (1486)
<223> n equals a,t,g, or c

<400> 50

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<210> 51
<211> 1328
<212> DNA
<213> Homo sapiens

<400> 51
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<210> 52

<211> 1856
 <212> DNA
 <213> Homo sapiens

<400> 52
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 tgctgtcttc aattaaacca tttatgacca taactaatct tcaggatgtc gatgcatgct 180
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 <212> DNA
 <213> Homo sapiens

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<220>
 <221> SITE
 <222> (1514)
 <223> n equals a,t,g, or c

<220>
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 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (1556)
 <223> n equals a,t,g, or c

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 aaaaaaaaaa aaanaaaaaa aaaagggggc cgctctagag gtccaagtta ngacgngg 1558

<210> 54
 <211> 948
 <212> DNA
 <213> Homo sapiens

<400> 54
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<210> 55
 <211> 990
 <212> DNA
 <213> Homo sapiens

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 <223> n equals a,t,g, or c

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<220>
 <221> SITE
 <222> (888)
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<220>
 <221> SITE
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 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (901)
 <223> n equals a,t,g, or c

<400> 55
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 <212> DNA

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<220>

<221> SITE
 <222> (250)
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<220>
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 <222> (1051)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (1052)
 <223> n equals a,t,g, or c

<400> 57
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 cctccctacc tttccagac ctctcactcc tgcttggtgt tccaaccctg tctgtggcca 180
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<210> 58
 <211> 814
 <212> DNA
 <213> Homo sapiens

<220>
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 <222> (3)
 <223> n equals a,t,g, or c

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<220>
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 <222> (32)
 <223> n equals a,t,g, or c

<220>
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 <222> (751)

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<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (770)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (784)

<223> n equals a,t,g, or c

<400> 58

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<210> 59

<211> 1215

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (345)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (1024)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (1098)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (1186)

<223> n equals a,t,g, or c

<400> 59

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attatctata tttgttccca ttttcttca cegtgcatt ccagcattgt ctgactgtga      240
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ctctgacctac ccacrtgcct gcttacctgc cagataacca agtgnagatg tctgcgagtg      360
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cgccacctgc ccacgctagt tccatccacg ctcaagaccc gcccttagac caggcaggca      600
aaggccccc tcacactcgg ccactagtgg ggtcctgagg ccaagaaaga aaccagaccc      660
tgtatgacaa gttgggktct ttccagaaca cgacagaaac agggggggcc ccttggtaat      720
gccactccat actccagaag cattattcct tatttgggac agccaagggc agattcacag      780
gttattgtag gaataaagac tagtttaca aggaraaaga gsccttgac ttcccmagga      840
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cccaccagga atgcccgttc ctttttatgg atctgttggg aaccagagag aatcaacaga      960
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ttaggaaccg ctgtttgnat ttcttttttt ggagacgcat tgtatataat atatgtcaaa     1140
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aaaaaaaaatg actcg                                     1215

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<210> 60
<211> 478
<212> DNA
<213> Homo sapiens

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<220>
<221> SITE
<222> (410)
<223> n equals a,t,g, or c

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<220>
<221> SITE
<222> (476)
<223> n equals a,t,g, or c

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<400> 60
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tctagaattt cacagaaaar tgygmtatga tacgagcatt aagtttattt cttctgatct     180
ttgatgcagc tttgttcagt ttatctgttt ttgtatttat tggtcattcta cttcccatgc     240
caaaaggggac tggctctacat agctgcgcta aacacctgat caaatcacta aaagaaaatg     300
tgttacctct aatgaattat cctgattgta agttaaaaat caatatttcc cgttagtgag     360
gttttgctttt taaaaagaak kcttaaaaaa aaaaaaaaaa aaacgagttt aagaaaagga     420
agcaagctca ggtaagggtgc acacattggg ctaaggaagc tagagcctgt ggagangc      478

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<210> 61
<211> 618
<212> DNA
<213> Homo sapiens

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<220>
<221> SITE
<222> (24)
<223> n equals a,t,g, or c

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<220>
<221> SITE

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<222> (39)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (548)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (560)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (562)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
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 <223> n equals a,t,g, or c

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	acatgctgtg	gacccttggc	catcaaattg	tatgggggaag	ctcatccgtc	tgtctgtgat	240
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	tgtcggggag	cgtgggtgga	tggaggagga	gtgctccaga	ggactctgct	gtgtggcagg	360
	ccagcataaa	caagccaagg	ggaaaaggca	ggcatggaat	aaagggggag	aataccagtg	420
	tgtgacttac	tgctgactgt	gtggattagc	ctatcagcag	ttaatcaagca	gggcggaggg	480
	cattatcttt	gagccagaag	agtgagcact	ggsccgaggg	tggagcatca	agagggggtg	540
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<210> 62
 <211> 751
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
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 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (159)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (202)
 <223> n equals a,t,g, or c

<400> 62

10004560.120701

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tctgatggaa	gccagttgcc	atgtgatgag	gtgccctatg	gagaggccca	cgtgacaagg	360
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tgagatgaat	cctgccaacc	tgagcttgga	gacagattct	ctccctatcc	tgccttgggg	480
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ggtaaaactg	acagaatcct	gaccacaga	aactgagata	atgtttgtta	ttttaagctg	600
ctcagtttgt	tacagagcaa	tagataacta	actcaaacac	cataaaattc	taatatttta	660
ttctatcaca	caaaccaggt	aataccaagt	aaatgccatt	actatacaca	tatttttgta	720
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<210> 63
 <211> 780
 <212> DNA
 <213> Homo sapiens

<220>
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 <222> (2)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (4)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (12)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (738)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (776)
 <223> n equals a,t,g, or c

<400> 63						60
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gctatccccca	acttctagac	ctgctccaaa	ctagtgaacta	ggatagaatt	tgatcccccta	240
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aggatggcct	tccttccctc	taccttccct	ccctcagcct	gcaacctcta	tcctgggaacc	660
tgtcctccct	ttctccccaa	ctatgcatct	gtgtgtctgct	cctctgcaaa	ggccagccag	720
cttgggagca	gcagagaaat	aaacagcatt	tctgatgcca	aaaaaaaaaa	aaaaaaaaacc	

gcggccgaaa gcttattncc ctttaagtaa ggggttaatt ttttagcttgg gcactnggcc 780

<210> 64
<211> 588
<212> DNA
<213> Homo sapiens

<220>
<221> SITE
<222> (565)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (566)
<223> n equals a,t,g, or c

<400> 64
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gatgacgggc tttctgctgc cgcccgcaag cagagggact cggagatcat gcagcagaag 180
cagaaaaagg caaacgagaa gaaggaggaa cccaagtagc tttgtggctt cgtgtccaac 240
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agtgtcaca ggtcccagca ccgatggcat tccctttgcc ctgagtctgc agcgggtccc 360
ttttgtgctt ctttccctc aggtagctc tctcccttg ggccactccc ggggggtgagg 420
gggttacccc ttcccagtg tttttattcc tgtggggctc accccaaagt attaaaagta 480
gctttgtaat tccaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 540
aaaaaaaaaa aaaaaaaaaa aaaanncggy ggggggcccc cccccccc 588

<210> 65
<211> 945
<212> DNA
<213> Homo sapiens

<220>
<221> SITE
<222> (1)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (13)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (15)
<223> n equals a,t,g, or c

<400> 65
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cactgttaac ctttgggtgta taataaaaatc agacactttc ctttgcatta tgtcacatag 180
aaatgtacaa ataaaagtgt catatataca cacatatatg tatacactgt tttgcaactc 240
gttattttca ctttgcaata tacaatgagc atttttccat gcaaatgaat gagacctctt 300
attaaatgaa taagattggg tcaaaagatg agatgttgac aagagtcata tgtaaattctc 360

agcaacatcg	aatgactgga	gtaaaacgat	agcaaatatt	tatcaagaaa	gtgcagacaa	420
acagaaagca	gtggcaacat	taataacaga	aaataattga	attgtcagag	aaattaetta	480
aatgggataa	ggacgggtccc	gagaatgcct	atgggttagaa	tgcaagagccc	taaattttctt	540
tctyagaccc	cttatctctt	ccaaacacct	ttccatctca	tctccctccc	ttgtcatttc	600
ttcatcttta	aaatgcctat	agtctatgtc	ctctttaaat	tcttcgagag	actgaagcag	660
cctctgtcta	aaattccctt	ctgtttgctg	gcgttcaa	tctccatacg	ggcgtttttc	720
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gatgttggtg	ttgtttcctg	cttaactctg	tgccgggtag	ttctctgctc	cttttcttcc	840
cccagatgtc	tgtgaacaca	gacccctggg	cctcttccct	cccttgccca	caagcaagca	900
cggcacgctt	gtctgcaggg	cagtaaggag	ctggtacctc	gtgcc		945

<210> 66
 <211> 1866
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (262)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (674)
 <223> n equals a,t,g, or c

<400> 66						
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acgctccacc	cttcaggaca	gtgatgaata	ttccaaccca	gctcctcttc	ccctggatca	180
gcattccaga	aaggagacta	accttgatga	gacttcggag	atcctttcta	ttcaggataa	240
cacaagtccc	ttgccggcgc	antcgtgtat	actaccaata	tccaggagct	caatgtctac	300
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caatcactgc	tgtggaatca	tgataccact	tttagctctt	tgcatcttcc	ttcagtgtat	1740
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taaataaaact ggcttgtggt ttcaataaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 1860
aaaaaa 1866

<210> 67
<211> 1152
<212> DNA
<213> Homo sapiens

<220>
<221> SITE
<222> (668)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (745)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (1015)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (1088)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (1110)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (1113)
<223> n equals a,t,g, or c

<400> 67
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<210> 68
<211> 2483
<212> DNA
<213> Homo sapiens

<400> 68
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tctcccatth ttaagagatg gtaagttaac tgggaattgat ttactgaatg aaattaaatg 2400
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<210> 69
<211> 536
<212> DNA
<213> Homo sapiens

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<210> 70
<211> 574
<212> DNA
<213> Homo sapiens
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<210> 71
<211> 932
<212> DNA
<213> Homo sapiens
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<400>	71						
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acc	aga	ag	att	agt	tt	g	ct
aga	ac	ata	aag	gt	ct	tt	gt
gc	at	ca	act	cg	ag	gg	gt
acc	aga	ag	att	agt	tt	g	ct
aga	ac	ata	aag	gt	ct	tt	gt
gc	at	ca	act	cg	ag	gg	gt
acc	aga	ag	att	agt	tt	g	ct
aga	ac	ata	aag	gt	ct	tt	gt
gc	at	ca	act	cg	ag	gg	gt
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gc	at	ca	act	cg	ag	gg	gt

<210> 72
 <211> 996
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (584)
 <223> n equals a,t,g, or c

<400> 72
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 agatcacccg cgacttcaac ctccctgcagg tctcggagcc ctccggagcca tgtgtgagat 180
 acctgcccaag gctgtacctg gacatacaca attactgtgt gctggacaag ctgcggggact 240
 ttgtggcctc gcccccggtg tggaaagtgg ccaggtaga ttccttgaag gacaaaagcac 300
 ggaagctgta caccatcatg aactcgttct gcaggagaga ttggtattc ctgttgatg 360
 actgcaatgc cttggaatac ccaatcccag tgactacggc cctgccagat cgtcagcgt 420
 aagggaactc agaccagaga aagaacccaa gagaactaaa gttatgtcag ctaccagac 480
 ttaatgggccc agagccatga cctcacagg tcttgtgtta gttgtatctg aaactgttat 540
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 atagagttag caaccatgct tctcattccc ttgactcatg tcttgccagg atggttagat 660
 acacagcatg ttgatttggc cacctaaaaa gaagaaaagg actaacaagc ttactttta 720
 tgaacaacta ttttgagaac atgcacaata gtatgttttt attactggtt taatggagta 780
 atggtacttt tattctttct tgatagaaac ctgcttacat ttaaccaagc ttctattatg 840
 cttttttcta acacagactt tcttcactgt ctttcattta aaaagaaatt aatgctctta 900
 agatataatat ttaygtagt gctgacagga ccactcttt cattgaaagg tgatgaaat 960
 caataaaga atctcttcac atgaraaaaa aaaaaa 996

<210> 73
 <211> 785
 <212> DNA
 <213> Homo sapiens

<400> 73
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 cgragactga aatgggcctg ggtcttctcc tkgtcctgtg atwaaagtcc tctcttgaaa 180
 gtggagagca aaggcacaca gaggtgcgcy ctcacaagaa ttcctcccg tgactgggta 240
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 cctcctagcc tgggggacca ggctcgaact gaccctggac atcaaaggag ggattatgtg 360
 gctgctaaag ccacggccc acagccctgt tcaertcttg gtgcttctct tcccagagg 420
 ctggtcccag ccaggcacac acaaaaggca gattctcgt aacscagcct cctcctgtg 480
 aggtgcctc ctgcctgga tctggagtgg agctgctctg agattttgag ttctctgca 540
 gagatgatta aatatatcca agagacattg gaaaacctgc tgaacatttt acattggtct 600
 gctcagcaca tggctggatg cggatatttc tataattcca gaaagtcaca cagctcctct 660
 gtatgagacc agtgggccc atttaaaaga acaggatgag aatctaagat atattattaa 720
 taaatgtaat ggattttttt tttgtaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 780
 aaaaaa 785

<210> 74
 <211> 1069
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (20)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (92)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (886)
 <223> n equals a,t,g, or c

<400> 74

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gttccttaggc	tcctgcacat	gaaggtgtgt	gocgtgtggtg	tggtgggtgc	tctaggagca	180
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cacatggcta	gggatactgc	tcactagctg	tggaggtcct	caggagtggg	gagaatgagt	300
aggagggcag	aagcttccat	ttttgtcctt	cctaagaccc	tggtatttgt	gttatttcct	360
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aaggaggaac	aattaggacg	tggcaatgag	acctggcagg	gcagartaca	agcccagcac	480
cagtgtccca	gccttactgg	gtccttacct	tgggccaac	agggagggct	gatacctcct	540
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aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa		1069

<210> 75
 <211> 831
 <212> DNA
 <213> Homo sapiens

<400> 75

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gagctttagt	ctgtctctgt	ttcagttcat	tttacaggag	gtgaacatca	cacttccaga	180
aaactctgtc	tggtatgaaa	ggtataaatt	tgatattcct	gtctttcact	tgaatggcca	240
gtttctgatg	atgcacgcag	taaacacctc	aaaacttgaa	aaacagctcc	tgaaacttga	300
gcagcaaatg	actggargct	gactgatgcc	ctcatgattt	tcacacctct	cttcccataa	360
agcatcttcc	taaggaaatg	amcatggcct	gatactcatt	ttgtcacttg	tacagagccc	420
taaggatgtt	ctgaattcag	tggtgccaaa	taaatgttga	cattccccct	ttggttgatg	480
gaagtatcag	tggtgggaact	gtttgcttaa	tggcatttta	taaaataaka	akakcatatt	540
agcagggagg	gagatgatgg	agggagggag	aagtccattt	gtcttattta	tcctttttgt	600
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tagataaagt	gaaatgtgaa	ttgttaataa	ctgtgcacgg	tcaataaagc	gatgttttaa	780
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<210> 76
 <211> 590
 <212> DNA
 <213> Homo sapiens

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 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (27)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (30)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (35)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (76)
 <223> n equals a,t,g, or c

<400> 76
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 tggatccccc ggctgcagga ttccggcacga gctgccaggt gaggagcaga gagactgttc 180
 ccttggttgg agaggtgtgg gcatgagagc caccatttgc caagcagcaa gaatgttcgt 240
 gctttttttcc cttccaaaat atgcagggtc caggctccca attccggggc tgtctgtctt 300
 gcttgtgttt ctctgttccc tgttctcccg gagggcccag gtggaactca cgacaggag 360
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 ctttttgtcc tgtaagatat atgcagcctc acagaagcag cctctgcctc cactttacca 480
 gctacgtttt tatcttaagc acatgggggt cccttagaac ttactccact gatttaaaaa 540
 aaaaaaaaaa aaactcgagg gggggcccgg taoccattcg ccctaaaagt 590

<210> 77
 <211> 1274
 <212> DNA
 <213> Homo sapiens

<400> 77
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 ccttgaaaaat cctattggtt cctttatttt atttgagttt agagttccct tctgggtttg 180
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10004860-12001

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<210> 78
 <211> 1133
 <212> DNA
 <213> Homo sapiens

<400> 78						
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tccaacatgt	tttcaactta	tttgcccttc	cctacatttg	ggttagggtc	catttggatt	660
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<210> 79
 <211> 661
 <212> DNA
 <213> Homo sapiens

<400> 79						
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cttttgctgt	gccctgctct	gggggttgaag	ctggcccatg	tgcccccg	agtcattggct	300
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ggcatgtgcc agattacatg agtgacggct gggaatatgt tttctttttt gtaatggagg 600
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<211> 1378
<212> DNA
<213> Homo sapiens

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<210> 81
<211> 1440
<212> DNA
<213> Homo sapiens

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<220>
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<222> (38)
<223> n equals a,t,g, or c

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<220>
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<222> (41)
<223> n equals a,t,g, or c

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<220>
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<222> (1128)
<223> n equals a,t,g, or c

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<220>
<221> SITE

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10004860.120704

<222> (1129)
 <223> n equals a,t,g, or c

<220>
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 <223> n equals a,t,g, or c

<400> 81

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gtataaccca	gacatgattt	gtaaagccga	cagtatgttt	ctattacaca	acactttttg	1080
atacagcgtc	tcttgtcttc	actgatactg	gagtcctcgt	tgtctgcnnng	gtcccttcga	1140
gtttctagtt	acagacacaa	tcatactgtg	attttatttt	taatatggat	atgctatcaa	1200
actgtgatac	acttataatt	cactggctct	gcatacaggag	atggagtggg	gaaaactgta	1260
tttaatacag	tttgtatctg	aataatctgt	atggtttata	cagtttgtgt	tgttcagaga	1320
tgtttaaagt	ttgatctttg	ttttctaaa	gattaaaaaa	gcacttgccc	cactgtaaat	1380
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<210> 82
 <211> 1381
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (1379)
 <223> n equals a,t,g, or c

<400> 82

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acaggatcaa	cttccagcca	gacccagcca	ggcacaggct	gggtccagtt	ctgacctgag	180
cacggttttt	cctcatgtga	cttctgggaa	ggcgctccct	catctgggoc	aaaggaagga	240
ggacgaagcc	ctcctcagct	ggcctgtgtt	tggggcatga	atctctcctc	tcctccttgt	300
ctggctctgt	tgacaaaccg	ggcatgtttg	gcagtaaat	ggcacccgtg	cacactgttt	360
cctgggattc	aagtatgcaa	ccagaacaca	ggagaagaaa	agctccagga	tcctgtccc	420
catctgtcct	cttgatgtga	gagagactct	gagacttctt	ccatcgcaat	gacctgtatt	480
aaacacaagc	cccccaagca	aaagaagagg	ttgagtttgc	tgccaggatt	cagatcagcc	540
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actggctgta	gcacttcagt	ccatctgccc	tccagaggag	ggtttcttcc	tgatttttag	660
caggtttaga	ggctgcagct	tgagctacaa	tcaggaggga	aattggaagg	attagcagct	720

tttaaaaaatg	tttaaatatt	ttgcttttgc	aatgtgctga	tccgcactaa	ctcatctttg	780
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ttataagaaa	tctgaaagca	cctctgacat	tccttttatt	aactcacctc	tcagttgaaa	1260
gatttcttct	ttgaaaggtc	aagaccgtga	actgaaaaaa	gtgttggcct	ttttgcgga	1320
ccagattttt	aagataaaat	aaatatTTTT	acttctgtca	aaaaaaaaaa	aaaaaaatnt	1380
c						1381

<210> 83

<211> 1706

<212> DNA

<213> Homo sapiens

<400> 83

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ccaactatca	tctgagggtc	aaagatgaga	agtagatcac	ttaataagac	aaaagcctgt	180
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tcaattttctc	cttggaatgg	gggcagggat	actgcgcttg	ttgctcccac	ttgagtcagt	300
actcacctgc	tcctggatct	cagtatccac	atctgagagg	caactctggc	agagttcaca	360
gaaggccacc	attctgtccc	tcaaactoga	cagctgcttc	tgtgggcaca	gtggcttgaa	420
ggggaagaat	gaagacacag	actcctctgt	tcccattatc	ccatctaaga	cccacactca	480
cctggggaag	catctgattt	agaaatgtgg	gttagtggtc	agagaatgga	aaaatagaca	540
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taggagaggg	agagacagat	agccagaaac	acaccagtga	agaggagaga	aaatgagtaa	660
agggagagct	aattcctttt	ccagtggaaa	atgagtgata	ttctggacat	tcttcagagg	720
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tgtaacagct	cttcaagctc	ctgctggaar	cggtcagtca	gcaaatctac	tagctggctg	1440
cgggcaaagt	ccgcccggct	gaagaaaagt	aattcgggat	tacagagcag	gtaagagcat	1500
gcgccccagc	ctcaagcacc	gctggctctg	catgcttcac	caccacctcc	tggagtgtgt	1560
gcaggaacag	ctccaggtgc	tgagaagaaa	aggcagaaga	tggtgtgctg	tggggatggg	1620
aggaggacac	tcttctggcg	ggaagtggaa	cggggttaaa	agcattaaac	ttcaaggata	1680
agatgcctaa	raaaaaaaaa	aaaaaa				1706

<210> 84

<211> 573

<212> DNA

<213> Homo sapiens

<400> 84

gaattcggca	cgagcttggg	agccttagaa	ctgcatgagc	tgctttacca	ctgggaaaca	60
------------	------------	------------	------------	------------	------------	----

cgagcacagc	ctagcttgat	tttgtatgtg	gtatcagatc	taaggtggat	ggaattcagg	120
acttcctgtc	tactctttga	ttttgtttta	tttttagaaa	tgttttattt	tgttttattc	180
atltattcat	cttcagagac	atgggtctggc	tctgttgccc	aggatggagt	gcatgggtgtg	240
atcataggcc	actgcagtgt	tgagctcccg	ggctcaggcg	atcctcctgc	ctcagctycc	300
ttagtagctg	ggactatagg	cacatgccct	accatgcctg	gctttgtcta	ctttttgaat	360
gatgtcycaa	actagaaggt	ctattaattt	aaaaaattaa	ggatagcatg	ccataattaa	420
aaataataac	agtgggaaaa	ggcaccttcc	aatgattcag	acatcaactt	gtgatttaaa	480
aaaacgaaaa	ataaataata	ggaaaaaaag	gggaaaaagt	taaataaaaa	taaaattaaa	540
aaaaaaaaaa	aaaaactcga	ggggggccccg	gta			573

<210> 85
 <211> 684
 <212> DNA
 <213> Homo sapiens

<400> 85						
ctcttttggt	gtgtctacct	ccttcactctg	ctgcgcgcgac	ataagcaccg	ccctgccccct	60
aggctccagc	cgtcccgcac	cagccccag	gcaccgagag	cacgagcatg	ggcaccaagc	120
caggcctccc	aggctgctct	ycacgtccct	tatgccacta	tcaacaccag	ctgcygcccc	180
gctacttttg	acacagctca	cccccatggg	gggccgtcct	ggtgggctgc	actccccacc	240
cacgctgcac	accggcccca	gggcctgccc	gcctgggcct	ccacacccat	ccctgcacgt	300
ggcagctttg	tctctgttga	gaatggactc	tacgctcagg	caggggagar	gcctcctcac	360
actggctccc	gcctcactct	tttccctgac	cctcgggggc	ccagggccat	ggaaggaccc	420
ttaggagttc	gatgagagag	accatgaggc	cactgggctt	tccccctccc	aggcctcctg	480
ggtgtcatcc	ccttacttta	attcttgggc	ctccaataag	tgtcccatag	gtgtctggcc	540
aggcccacct	gctgcggatg	tggctctgtg	gcgtgtgtgg	gcacaggtgt	gagtgtgtga	600
gtgacagtta	ccccatttca	gtcatttcct	gctgcaacta	agtcagcaac	acagtttctc	660
tgaaaaaaaa	aaaaaaaaaa	aaac				684

<210> 86
 <211> 1036
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (1020)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (1024)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (1032)
 <223> n equals a,t,g, or c

<400> 86						
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acaagccaga	ggagcccggg	tgtgaggccc	cagatcacct	ccagggactt	ggggttccca	180
tctgaaatcc	tttatttttg	taccatgggg	tgggccccgg	gctgagaagg	aagaagcacc	240
ctctccccgg	cctcctctgt	ctgcacccgt	ggggctgtga	cttactcctg	cctccagggg	300
cggggcgggg	ccccctggga	cctcttaagg	cccaagggtg	gccccaggac	ctytgggcag	360

agtggaytgc	tcattggcaga	tgtgtggcaa	tgtctggctg	wgtctttccg	gcamctgcgt	420
yccttytccc	gggytcccc	gctgcatggt	ggatgtgctc	cttcctggcc	cggtcacatt	480
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ttgtgagggg	gcacagagga	gcaaagtccc	tgaaggccct	caggcagtat	ataggggccc	600
cccaccttca	gctgccctgg	gatgggaagg	acccagcccg	acccctgggc	ataacactgt	660
gtttgcaaat	ggagattcag	gtattgggga	tgcaggttgt	ggggagctgg	cctggcagag	720
taggggtagt	tggcttggcc	ttctctttgg	tgatcccacc	cccagccatt	tgcattgctg	780
gcccagcgcc	tggcctgggg	ggcggggaga	ggcagcagaa	ggggctgggc	aggggcggtg	840
gaggactcag	gaactgccc	gggagagtgg	gtatggcggc	tgagccaggg	gcctcctgt	900
gtttgacttc	ccgggatggg	tccttgcttc	tcagctgtgt	ccgacccac	catgtaataa	960
aacccaaagg	aacagcaaaa	aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	1020
cccnngggggg	gncccc					1036

<210> 87
 <211> 908
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (805)
 <223> n equals a,t,g, or c

<400> 87						
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aatgtttttg	aggttcatcc	aagctgtagc	atgtatcagc	acctcatttc	tttttctggc	120
tgaatattat	tccattatat	ggatttacca	caattcattt	acctattcat	cttttgcttc	180
tgctgtctgg	ctattgtgaa	taatgcttcg	ataaacattc	atatacaagt	ttctatgtgg	240
ctttatgttt	tcatttctct	tggctatcta	catgggagta	gaattctagg	tcataatata	300
attttatgtt	taacttctca	aagaattgcc	aaaaggtttt	tcatagtggc	tgcattcattt	360
acattcccac	cggcaatgta	caaggatttc	tattttttcca	tatccttgca	cttaccaaca	420
cttctttttk	gtwatwattt	tgttttttca	ttattgccac	cctagtggat	gtgaaatggc	480
atcttatgtt	tttgatttgc	atttctctaa	tgacaaatga	tatcatactt	tttttatgtg	540
cttacggatc	aaaggatattt	ccttggagaa	atgtcccttc	aagtcctttg	ccatttcaaa	600
atttggttat	ttgtctttta	ttattcagtt	ttaagaaatt	ctggccaggc	gcagtggctc	660
acctgtaatc	mtagcacttt	gggaggccaa	ggcgggcaga	tcacttgagk	tcaggacttc	720
gagaccagcc	tggccaacat	ggtgaaaccc	catcttacta	aaaatacaaa	aattagctgg	780
gcgtgggtgg	agggtcatgt	aatcntatct	actcaggagg	ctgaggcagg	agaatcgctt	840
gaaccagga	ggcggaggct	gcagtgagcc	aagatcacgc	cattgcactc	tagcctgggt	900
gacacaga						908

<210> 88
 <211> 655
 <212> DNA
 <213> Homo sapiens

<400> 88						
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gactacaaaa	tccgccttgg	tattcttcaa	atgcatatat	attcctttct	tgtcagctcc	120
ctctcttctt	agattagaaa	actgcctcat	tttctgctca	ctggatgtgc	agtcccagct	180
tgtcttcttc	tcttcccccc	ctggtgcagg	tgctcttttt	tttttctctc	tctccccact	240
gggcagcaaa	agttgtttcca	cagtggaaaaw	ttaggcatcc	tcaagtttcy	toocagcttc	300
tgtctgtgtt	tcttagagta	aattgccaat	ttctgttttt	acaggaaaatc	cttttttaaa	360
aattggaatca	gtgtgggtccc	catctactct	gcaaaaattg	cattttttctc	tattttcaaa	420
tgagatttgt	tcaagttttca	aaaccacgtg	aaataataaa	tgtatagtag	ttttcttttc	480
cttgggcatt	gctwgatatg	tgaaatgggt	ttatgaaaaa	taataaaatc	ataacgctat	540

ttgtttgact ttcaatttca tgggaatttt tctcagctaa actctaaatg gtgattargc 600
 aaaaaaaaaa aaaaaaaaaacy graggggggc cgggtaccaa ttcgccctat aatga 655

<210> 89
 <211> 1102
 <212> DNA
 <213> Homo sapiens

<400> 89
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 cagaggggttg ggacatatta cgggcgcgga tccctcttgg agtgagatga ctctccggag 180
 agatttagtc gtcacctctg cgtgtgagggc tgcgtcacac cccagggatg tgtctatcaa 240
 gatggaagat cttttacacg ctcttgattt tgtttgcctt tttttctatt actagtgaga 300
 atgaaacttt ttatatgatt attatccatc ataatacaac acaaattact gcttcatgtt 360
 cttttacttt cctgtgaagg ttttagtgcc ttttaaaaaat tgctatatat taagcttgtt 420
 aataacttcca tgctgtattt gtggccatca gtttccccgg gcacaggcct gcacattttg 480
 ccttcacacg ctgggtggtt tttcattttc acttctattt ctggttcttc tatcgtttta 540
 tgttcagacg ggtttctccg tgtagaaagc agtttatgaa gatttacttt cgacagtctt 600
 ctctctactt tctacagtga attctctgay gtgtctggga gtwtgggggg ctgggtaaga 660
 rtctctctct caccctattc tctattacga tccacagcct catgctttat garattggtg 720
 gccgggarcg ggggagattt gcggatcccc caagccagac tttatcccc tatccctgcc 780
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 cytctggtgt cccctgaca cgcctccaaa gtgagcaggt aggtttcaac agccccacgt 960
 tgcaggtggg agatgaagct caggggtggag accagtatct cacagttctc tttgcatggc 1020
 cgggtacttg ttagtcaact gatcaagtga aaattctagc cccagaggca ggagaatccg 1080
 gaacaaaatt aaaccagcca gg 1102

<210> 90
 <211> 1533
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (12)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (123)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (1522)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (1527)
 <223> n equals a,t,g, or c

<400> 90
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cgggtcgagg ttatggatcc agcggggcggc ccccgggggcg tgctcccgcg gccctgccgg 120
 tgnctggtgc tgctgaaccc gcgcggcggc aaggggcaagg ccttgagct cttccggagt 180
 cacgtgcagc ccccttttggc tgaggctgaa atctccttca cgctgatgct cactgagcgg 240
 cggaaccacg cgcggggarct ggtgcggtcg gaggagctgg gccgctggga cgctctggtg 300
 gtcattgtytg gagacgggct gatgcacgag gtggtgaacg ggcttcatgg agcggcctga 360
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 ggcagcttcc ttraaccatt atgctggcta tragcaggtc accaatgaag acctcctgac 480
 caactgcacg ctattgctgt gccgcgggct gctgtcacc atgaacctgc tgtctctgca 540
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 gaatgaagtc ctgggtcagg agcccagctg gctgggcccga gctgcctatg taaggccttc 1440
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 aaaaaaaaaa aaaaaaaaaa ancccgnggg ggg 1533

<210> 91
 <211> 575
 <212> DNA
 <213> Homo sapiens

<400> 91
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 gccagagctg tacctgggccc cctttgagct gaggctgaag ccagagctctg aagctcagca 180
 gggcagtgat gccctgggccc tggcccctga aaccattctt ttctcctaag cctctgggccc 240
 tttgatggga rgggctgtcc tcaagatttc tgaaatgcct ttggaggggt tttgccttgt 300
 cttggatatt ggcttctctt tagttatgct catctctcta gcaagtgaat gtttcacaac 360
 ctgcttggat tctttctcta ccacagarcc aggctgcaaa ttttacaaac ttttacactc 420
 tgtttccctt ttaaataata atttcaatgt taagtcaact ctttgctccc atatctgatt 480
 taggttgctg gaagttagca agtcacctct tgaatgctt gctgcttaga aatttctct 540
 actaggtagc ctgggtcacc acacttaagt tcaaa 575

<210> 92
 <211> 639
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (62)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (126)

<223> n equals a,t,g, or c

<400> 92

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gcagantcag	aatgggcctc	agcatcaggc	tcccatacct	ggcttctaac	tgctgcgctc	180
tgcccttcyc	tcwcccccacc	tccccactcc	agtgcctttg	gtcatgccac	tcgagctttc	240
aggccaatac	tggattagcc	tcttagtggt	cttgtccctg	cagccatttc	cccaggcagc	300
aattccatgt	gcctcactg	atgtagggtg	ctcttggtg	atttgtcaca	tcctattgaa	360
ttgtttatgc	atcttggtca	cactcacagc	acctccctc	tcacacgtcc	tccttataaa	420
aatgtccctc	agtgtctgct	atgagccagg	tcgagactta	agtgacaggg	ctgctacggg	480
aaataaaaaa	ttaacaagga	gcacctgcct	cttaatgcac	agtaacaaac	tatgttaagt	540
gtcaggaagg	aaagggttaag	gatgccagga	aggcttttaa	taaataacct	gacttagatg	600
ggcaggtggt	gctgargatt	aagaacgtgt	tcttctoga			639

<210> 93

<211> 858

<212> DNA

<213> Homo sapiens

<400> 93

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tcagcaggga	gggagccagg	gcctgtcaca	tctttcctct	ggccattgtc	ctgggtctttg	120
taagcccaga	atctccccct	ccctgaaggg	aggccagcac	cccaggaggg	cagcagggtgt	180
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tcgagggggg	gcccggta					858

<210> 94

<211> 526

<212> DNA

<213> Homo sapiens

<400> 94

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agcgcaytca	gccatcytay	tcctggggaa	aatgaaactt	gtgctcctat	caaagtctca	180
gttgtaaaaa	tggaaaaaaa	ttttagaaga	catcttgctc	agcatctgtg	tttatgtcta	240
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cagcacagat	ggctgctgct	atagctgggg	tatgggcagt	attagtagtt	aaccagtcaa	420
cccaagttcc	catagtctag	gttctgcttc	agctggagggt	tagggaaaaa	cacaagaaaa	480
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<210> 95

<211> 426

<212> DNA
<213> Homo sapiens

<400> 95
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gaatgtcccc agagacaaaa gggaaaggta gatcctttcc cttaaagatg aaagccatcg 180
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cttgagtggt ctccgcgtcg acctggcacc tgggtgaarg cttgctcttg ctgggtgcca 360
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cctcga 426

<210> 96
<211> 844
<212> DNA
<213> Homo sapiens

<220>
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<222> (416)
<223> n equals a,t,g, or c

<220>
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<222> (471)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (490)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (732)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (835)
<223> n equals a,t,g, or c

<400> 96
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840
 844

<210> 97
 <211> 1985
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (332)
 <223> n equals a,t,g, or c

<400> 97
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 aatgggtgtg gaagatacag caaagaaagg attctyctca aagccatcgc tccgcagcag 240
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 aaaaa 1985

<210> 98
 <211> 1416
 <212> DNA
 <213> Homo sapiens

<400> 98
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60

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gacatgactg	ataacagata	attaaaaaaa	gagaatacgg	tggattaagt	aaaattttac	1320
atcttgtaaa	gtggtgggga	ggggaaacag	aaataaaatt	tttgactgc	tgaaaaaaaa	1380
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<210> 99

<211> 1760

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (24)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (39)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (255)

<223> n equals a,t,g, or c

<400> 99

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<210> 100
 <211> 599
 <212> DNA
 <213> Homo sapiens

<400> 100						
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cctcatctcg	atgggcactg	aactcactca	agactcctgc	gcccccgact	ccttgcctgag	180
aagttcaaaag	ggcagcacga	gggggtcttt	ggctgctatt	gtcatctgga	gggggaagag	240
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<210> 101
 <211> 784
 <212> DNA
 <213> Homo sapiens

<400> 101						
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toga						784

<210> 102
 <211> 404
 <212> DNA
 <213> Homo sapiens

<400> 102
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 aagtttctag ttaagattg attttgtgtt ttcttaggca tttcaagtga caagcaaagt 240
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 ctttcaattt ttaattttta aagttttttt ggtattaaaa aatctattca caagccaaaa 360
 aatatataaa atatacagcg aaaagccaaa aaaaaaaaaa aaaa 404

<210> 103
 <211> 2218
 <212> DNA
 <213> Homo sapiens

<400> 103
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 aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaa 2218

<210> 104
 <211> 1351
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (544)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (774)
 <223> n equals a,t,g, or c

<400> 104
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 <213> Homo sapiens

<400> 108

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 <211> 611
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 <213> Homo sapiens

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<220>
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agatactcta atcactacat tgctttttct ataaaactac ccataagcct ttaaccttta 2100
aagaaaaatg aaaaagggtta gtgtttgggg gccggggggg gactgaccgc ttcataagcc 2160
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aaaaancccg ggggggggccc cggacctgg 2249

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<210> 112
<211> 2198
<212> DNA
<213> Homo sapiens

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<220>
<221> SITE
<222> (123)
<223> n equals a,t,g, or c

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<220>
<221> SITE
<222> (621)
<223> n equals a,t,g, or c

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<220>
<221> SITE
<222> (640)
<223> n equals a,t,g, or c

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<400> 112
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gancccaaaa tcatgaaagt caccgtgaag accccgaaga aaaggaggaa ttgcgcgtgc 180
ccgagaatag ctccgtccag cagtttaagg aagaaatctc taaacgtttt aaatcacata 240
ctgaccaact tgtgttgata tttgctggaa aaattttgaa agatcaagat accttgagtc 300
agcatggaat tcatgatgga cttactgttc accttgatcat taaaacacaa aacaggcctc 360
aggatcattc agctcagcaa acaaatacag ctggaagcaa tgttactaca tcatcaactc 420
ctaatagtaa ctctacatct ggttctgcta ctagcaaccc ttttggttta ggtggccttg 480
ggggacttgc aggtctgagt agcttgggtt tgaatactac caacttctct gaactacaga 540
gtcagatgca ggcacaactt ttgtctaacc ctgaaatgat ggtccagatc atggaaaawc 600
ccyttgttca gagcatgtct ntcaaatect gacctgatgn agacagttaa ttatggccaa 660
tccacaaatg cagcagttga tacagagaaa tcccagaaat tagtcatatg ttgaataatc 720
cagatataat gagacaaacg ttggaacttg cccaggaatc cagcaatgat gcaggagatg 780
atgaggaacc aggaccgagc tttgagcaac ctagaaagca tcccaggggg atataatgct 840
ttaaggcgca tgtacacaga tattcaggaa ccaatgctga gtgctgcaca agagcagttt 900

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ggtggtaatc catttgcttc cttgggtgagc aatacatcct ctgggtgaagg tagtcaacct 960
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 tcatcagctt ccagcggcac tgccagcact gtgggtggca ctactggtag tactgccagt 1080
 ggcacttctg ggcagagtac tactgcgcca aatttggtgc ctggagttag agctagtatg 1140
 ttcaacacac caggaatgca gagcttggtt caacaaataa ctgaaaaccc acaacttatg 1200
 caaaacatgt tgtctgcccc ctacatgaga agcatgatgc agtcactaag ccagaatcct 1260
 gaccttgctg cacagatgat gctgaataat cccctatatt ctggaaatcc tcagcttcaa 1320
 gaacaaatga gacaacagct cccaactttc ctccaacaaa tgcagaatcc tgatacacta 1380
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 ggaagcactg gaggtctctc gggaaactaat ggatctaacg ccacacctag tgaacacaca 1560
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 acctgcttta tttcattttg actcttgga ttctgtgctg ttataaacia acccaatatg 1920
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 aacagtgagg attaaggcta ctgcatacat ttttgctgca cactctgtta ttttttaaaa 2040
 acatcacctt ttatagtttg gtgaccagat tttgtcctgc atctgtccag tttatttgct 2100
 ttttaaacat tagcctatgg tagtaattta tgtagaataa aagcattaaa aagaagcaaa 2160
 aaaaaaaaaa aaaaattcct gcgccgcga attcttct 2198

<210> 113
 <211> 1043
 <212> DNA
 <213> Homo sapiens

<400> 113
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 taatttttoca tgataaataa aaatctataa aataataaac aagagaaaag agattggaaa 180
 cagccagggt ggagcagtga gtgagtaagg aaacctggc gccctctcca gattccccag 240
 gctctcagag aagatcagca gaaagtctgc aagacctaa gaaccatcag cctcagctg 300
 cacctcctcc cctccaagga tgacaaaggc gctactcctc tatttggtca gcagctttct 360
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 aagcaagtgc aacatatcaa agatwaatga aaatgcagat ggaagctttg actatggsct 540
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 aaaaaaaaaa aaaaaaaact cga 1043

<210> 114
 <211> 703
 <212> DNA
 <213> Homo sapiens

<400> 114
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gggtgagatgg gaagctgcag ttggaagacc ctggaggatg cctgacaagg ggatgtctga 180
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tttatgcagg tacatcgaag tcttttgacc tccatacagt gattatgctt gtcatoctg 300
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tacacaacgc gctaaaagct gcaaaggaac ctgaagctgt ggctgtaaaa aatcacaacc 420
cagacaagggt gtggtggggc aagaacagcc aggccaaaac cattgccacg gagtcttgct 480
ctgccctgca gtgctgtgaa ggatatagaa tgtgtgccag ttttgattcc ctgccacctt 540
gctgttgcca cataaatgag ggcctctgag ttaggaaagg tgggcacaaa aatcttcatg 600
agcaatactt cttagtagat tgttttgta tcaaatcaa gttctagtgt ttttatgtga 660
gattacataa ttacagtgt tgttttatat acttttgaat aaa 703

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<210> 115
<211> 3684
<212> DNA
<213> Homo sapiens

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<220>
<221> SITE
<222> (79)
<223> n equals a,t,g, or c

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<220>
<221> SITE
<222> (2297)
<223> n equals a,t,g, or c

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<220>
<221> SITE
<222> (3679)
<223> n equals a,t,g, or c

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<400> 115
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actatcacaa gaatactcct tagccacttc aattgggata aagagaagct aatggaaagg 180
tactttgatg gaaacctgga gaagctcttt gctgagtgtc atgtaattaa tccaagtaaa 240
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atgcagtgtc ggagtgaata ttaactacc aaaataatgg aagaaggcat gggtcagact 420
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caacaaaagt gtgacagaca cactaaaagc cctccaaact taacttgtaa cgtagcttca 1680
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ttcaaagac agcatcaatc ttaaaaagat atacattaaa actaaggagt ttttttaaag 3540
aaagcctgaa taagtctctt tccctggtaa ctttgaaaag cagtcagagt tgctatatag 3600
atatatgtgg ctcttttaa atgtttgtg tatgtgtggg gtttaaaaaa aaaaaaaaaa 3660
ttcggggggg ggcccggtnc ccat 3684

<210> 116
<211> 1965
<212> DNA
<213> Homo sapiens

<220>
<221> SITE
<222> (51)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (476)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (1136)
<223> n equals a,t,g, or c

<400> 116
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 tagtgacatc gagtctccca ctagacaaaa taggtggaaa aatctctoga gggctcacat 120
 tgttttgtca tcttcaggaa aaacaccacc aggccatacc acagcccgcc cagtgaggcg 180
 gtcttttgcca acagcaccgg gatgctgggt gtggcctttg ggctgctggg gctctacatc 240
 cttctggcct catcttgga ggcgccagag ccggggatcc tgaccgacag acagccccctg 300
 ctgcatgatg gggagtgaag cagcaggaag gggctcccaa gagctcctgg tgggtgcagcc 360
 tgtgtccccc tcagaagctc tgctcttccc agggctcccg gctgggttca gcaggcgact 420
 ttcttccaat gctgggcccc gacttcttgc ctgggtgctg gctgcccc cccggncgc 480
 ttgctgctg tctgcttccc ttgggtggyt tgctgggtgc tgggcctgcc ctctccggcc 540
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 agcgatgagt aacagagggt gctgtggact tctctactt ctcttctgtg gatcagggcc 1260
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 gggatgtcct ccaggcacct ggggtcccatg accagctccc cgtctccata ggggtaggca 1860
 tttcactggg ttatgaagct cgagtttcat taaatatgtt aagaatcaaa gctgtctttg 1920
 ttcaggctgc tataacaaaa atataatagc ctgggtggct taaac 1965

<210> 117
 <211> 503
 <212> DNA
 <213> Homo sapiens

<400> 117
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 cggcctgggt cgcaatttaa aaacgcacag ccaccattcc ctytccagaa agcaccagaa 120
 tgcccttggg agaaccagcc tcttccatgg aggaaagctt gggatctgcc ttccacctg 180
 gggaggagag ggatctgtgg aaaatccttc tgacggactt cccctcagt cctgatccat 240
 actcaatagt agaaaaagta agaaatatac aaagatagca gatacacgga gacagttccc 300
 caaatagctg agcgawtagc gcagaagcaa tattgaagac ctaatagctg agacatttcc 360
 agaactgata aagtgcattc agccacagat caagcagccc agaaaattcc aggcagcatc 420
 aacaaataaa tagccccaca tgcaccctg aaaaatgcaga agaccaaaaa aaaaagtccg 480
 gtcaacagcc agagttaaag agg 503

<210> 118
 <211> 1071
 <212> DNA
 <213> Homo sapiens

<400> 118
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 cgcccgcctg aagaaactac aagagcaaga gaaacaacag aaagtggagt ttcgtaaaag 180
 gatggagaag gaggtgtcag atttcattca agacagtggg cagatcaaga aaaagttca 240
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 tgcacctca gatgaagagc tagactctta ccgtcgtgga gaggaatggg acccccagaa 420
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 tgtgtgtgtg agagtgtgaa tgcacagggt ggtattttaat ctgtattatt ccccgttctt 960
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 aaaaaaaaaa aaaaaaaraa raaaaaaaaa aaaaaaaaaa aaaaaaaaag g 1071

<210> 119
 <211> 1101
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (147)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (376)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (395)
 <223> n equals a,t,g, or c

<220>
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 <222> (1101)
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<400> 119
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 ccgggggctg ggctgttccc acagggncgt ggagctcgtg gttctgagca gccagctggg 180
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 ggggcacagg gccagtgagg ccggccacgc tcgggcccct acctgtgaga tgggggtcga 360
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gccacgggcc	gctggggctg	gtgtgggtgg	gccttgtgtg	ctggatttgt	agcttatctt	1020
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aaactttggg	ggggggcccc	n				1101

<210> 120
 <211> 282
 <212> DNA
 <213> Homo sapiens

<400> 120						
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accttatctt	tgcaatatgt	tggggccac	cttccactcc	ttggttcttg	ttcctccttg	180
gcctaacttg	tccctctctc	acttcacatc	cccgggtggga	cagcattcct	ccttcctccc	240
aacctccctc	cgtctcaraa	aaaaaaaaaa	aaaaaaaaaa	tt		282

<210> 121
 <211> 2635
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (2605)
 <223> n equals a,t,g, or c

<400> 121						
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cactctgaga	ccatgatctt	cctcctgcca	ggggagagcc	accacaggc	catgtccagc	180
cccacttccc	tcagccccc	gggyttcctt	ctggcccttc	tgaggattcc	ctagggtctg	240
cccgagagg	ggyttcccca	agctctgttt	tgaagcctgc	aatgtggaaa	agtgagaagt	300
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yttttgtttg	tttgttgctg	ttttccccc	ccatccagt	tcctcctcagc	aaagcaaatt	480
ccttaacacc	tttgggtggag	aatttcttac	ccagacttgg	ggctgtgatg	cccttcagtg	540
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gtccctcttt	tctcctgtcc	tctctctgtc	cttcacctcc	ccactccagc	cccgggtcag	960
ttcagggaaa	tgctgttcca	yatcagccct	ctgctctctg	aggcagccgc	gcctctgact	1020
cggagctact	tgaaacttct	gctcttgcta	ggattggagt	ctacctatct	cttccatttg	1080
tcccagctgg	agttctggaa	ctttcctcct	cggggtgggg	gtgggggttg	ttaaggatgc	1140
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tgtgtccttg	taaataatgtt	ttaggaagaa	agcaaaagg	actgaactag	cctctggtag	1320
gattgcaggg	gtccagcctt	gcctgtttcc	gaagccccc	cactgccttt	cgccccactg	1380

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tccttcctca gctccttgat ttgtgacctt gaccaagggg cctgccaccc agccccctcca 1560
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cycttcactc cagcccgcc gcttcagcc ttccatgagc ttcacctgct tccaacttca 1980
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aggaagtcc cagcagagca aactgctttc cagcctgaag cctgcttaaa ctgtgtgatg 2220
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acatgcataa aggaatcaa atgtatttt taagaaaatg gaaaataaaa actttataaa 2580
caccaaaaaa aaaaaaaaaa acccnggggg ggggcccgtg acccatttcg cctaa 2635

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<210> 122
<211> 994
<212> DNA
<213> Homo sapiens

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<400> 122
gaattcggca gaggttcggc gaagataggg aataaggaag cacaggagta ggggagaagg 60
aagcacagga gtaggggaga tatacagcgg tcaggataag ggggaaagg cggtgggttc 120
scaagaggtg aaacaagatg tgagagacaa ggggtaggga agaatgggg cagcgggttag 180
gttcagaagc gcatagaccg tggcgagcgg gcaatgcgag gggcacagaa aggaactgag 240
gggtgggcta ttttaargga gatggtcctt cagccctctt yttttctgct tagttctcct 300
cctccaggcc gcgcgcggat atgtcgtccg gaaaccagcc cagtctaggc tggatgatga 360
cccacctcct tctacgctgc tcaaagacta ccagaatgtc cctggaattg agaaggttga 420
tgatgtcgtg aaaagactct tgtctttgga aatggccaac aagaaggaga tgctaaaaat 480
caagcaagaa cagtttatga agaagattgt tgcaaaccca gaggacacca gatccctgga 540
ggctcgaatt attgccttgt ctgtcaagat ccgcagttat gaagaacact tggagaaaca 600
tcgaaaaggac aaagcccaca aacgctatct gctaattgagc attgaccaga ggaaaaagat 660
gctcaaaaac ctccgtaaca ccaactatga tgtctttgag aagatatgct gggggctggg 720
aattgagtac accttcccc ctctgtatca ccgaagagcc caccgccgat tcgtgaccaa 780
gaaggctctg tgcattcggg ttttccagga gactcaaaag ctgaagaagc gaagaagagc 840
cttaaaggct gcagcagcag ccaaaaaaca agcaaaagg aggaaccag acagccctgc 900
caaagccata ccaaagacac tcaaagacag ccaataaatt ctgttcaatc atttaaaaaa 960
aaaaaaaaa aaaaaaaaaa aaaaagggga gggg 994

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<210> 123
<211> 1542
<212> DNA
<213> Homo sapiens

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<220>
<221> SITE
<222> (1445)
<223> n equals a,t,g, or c

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<220>
 <221> SITE
 <222> (1515)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (1520)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (1535)
 <223> n equals a,t,g, or c

<400> 123
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 agggagccgg ccgggaagcg cgatgggggc ccagcccgcc tcgtctcctgc tcctgtctcct 180
 gctgttcgcc tgctgtctggg cgcccggcgg ggccaacctc tcccaggacg acagccagcc 240
 ctggacatct gatgaaacag tgggtggctgg tggcaccgtg gtgctcaagt gccaagtga 300
 agatcacgag gactcatccc tgcaatggtc ttaaccctgc tcagcagact ctctactttg 360
 gggagaagag agcccttcga gataatcgaa ttcagctggg tamctctacg ccccacgagc 420
 tcagcatcag catcagcaat gtggccctgg cagacgaggg cgagtacacc tgctcaatct 480
 tcactatgcc tgtgcgaact gccaagtccc tcgtcactgt gctaggaatt ccacagaagc 540
 ccatcatcac tggttataaa tcttcattac gggaaaaaga cacagccacc ctaaactgtc 600
 agtcttctgg gagcaagcct gcagcccggc tcacctggag aaaggggtgac caagaactcc 660
 acggagaacc aacccgcata caggaagatc ccaatggtaa aaccttcact gtcagcagct 720
 cgggtgacatt ccaggttacc cgggaggatg atggggcgag catcgtgtgc tctgtgaacc 780
 atgaatctct aaagggagct gacagatcca cctctcaacg cattgaagtt ttatacacac 840
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 actgtgaggg tcgcggaact ccagtccccc agcagtaact atggggagaag gagggcagtg 960
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 acagtggcac ctacggctgc acagccacca gcaacatggg cagctacaag gcctactaca 1080
 ccctcaatgt taatgacccc agtcgggtgc cctcctcctc cagcacctac cacgccatca 1140
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 ccgnttggtc cccagccca cccacccct tgrtacagaa tgtytkgtt ggggtgcggt 1500
 tttgtwattg gtttnggatn ggggaaggga ggganggcgg gg 1542

<210> 124
 <211> 1390
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (498)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (499)
 <223> n equals a,t,g, or c

10004560.120701

<400> 124

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ctcgtcatgg	tggcgccctgt	gtgggtacttg	gtagcggcg	ctctgctagt	cggctttatc	180
ctcttctctga	ctcgcagccg	gggcccggcg	gcatcagccg	gccaaagagcc	actgcacaaat	240
gaggagctgg	caggagcagg	ccgggtggcc	cagcctgggc	ccctggagcc	tgaggagccg	300
agagctggag	gcaggcctcg	gcgcccggagg	gacctgggca	gccgcctaca	ggcccagcgt	360
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gcccaggagg	aggaaggtgt	cgagaagcca	gcggaaaytc	acctgtcggg	gaaaattgga	480
gctaagaaac	tgcggaannt	ggaggagaaa	caagcgcgaa	aggcccagck	tgaggcagag	540
gaggctgaac	gtgargwgcg	gaaacgactc	gagtcaccagc	gcgaatgagt	ggaagaagga	600
ggaggagcgg	cttcgcctgg	aggaggagca	gaaggaggag	gaggagagga	aggcccgcga	660
ggagcaggcc	cagcgggagc	atgaggagta	cctgaaactg	aaggaggcct	ttgtgggtgga	720
ggaggaaggg	gtaggagaga	ccatgactga	ggaacagtc	cagagcttcc	tgacagagtt	780
catcaactac	atcaagcagt	ccaaggttgt	gctcttgga	gacctggctt	cccagggtggg	840
cctacgcact	caggacacca	taaatcgcat	ccaggacctg	ctggctgagg	ggactataac	900
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ggccaacttc	atccgacagc	ggggccgggt	gtccatcgcc	gagcttgccc	aagccagcaa	1020
ctccctcatc	gcctggggcc	gggagtcctc	tgcccagcc	ccagcctgac	cccagtcctt	1080
ccctcttgga	ctcagagttg	gtgtggccta	cctggctata	catcttcatc	cctccccacc	1140
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gagcttggtg	tggcttggtg	tggcagaagg	cctggcctag	gatcctagat	aagcaggtga	1260
aatttaggct	tcagaatata	tccgagagg	ggggagggtc	ccttggaagc	tggtgaagtc	1320
ctgttcttat	tatgaatcca	ttcattcaag	aaaatagcct	gttgcaaaaa	aaaaaaaaaa	1380
aaaaactcga						1390

<210> 125

<211> 1288

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (1286)

<223> n equals a,t,g, or c

<400> 125

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gacgtgacc	acgttccctc	cctcgggtctc	ctccgcctcc	agctccgcgc	tgcccggcag	120
ccgggagcca	tgcgacccca	gggccccgcc	gcctccccgc	agcggctccg	cggcctcctg	180
ctgctcctgc	tgctgcagct	gcccgcgcgc	tcgagcgct	ctgagatccc	caagggggaag	240
caaaaaggcgc	atccggcaga	gggaggtggt	ggacctgtat	aatgggaatgt	gcttacaagg	300
gccagcagga	gtgcctggtc	gagacgggag	ccctggggcc	aatggcatcc	cgggtacacc	360
tgggatccca	ggtcgggatg	gattcaaagg	agaaaagggg	gaatgtctga	gggaaagcct	420
tgaggagtc	tggaacacca	actacaagca	gtgttcatgg	agttcattga	attatggcat	480
agatcttggg	aaaattgcgg	agtgtacatt	tacaaagatg	cgttcaaata	gtgctctaag	540
agttttgttc	agtggctcac	ttcggctaaa	atgcagaaat	gcatgctgtc	agcgttggtg	600
tttcacattc	aatggagctg	aatgttcagg	acctcttccc	attgaagcta	taatttatct	660
ggaccaagga	agccctgaaa	tgaattcaac	aattaatatt	catcgcaatt	cttctgtgga	720
aggactttgt	gaaggaattg	gtgctggatt	agtggtggtt	gctatctggg	ttggcacttg	780
ttcagattac	ccaaaaggag	atgcttctac	tggatggaat	tcagtctctc	gcatcattat	840
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caaagctaaa	tatgtttaca	gaccaaagtg	tgatttcaca	tgtttttaaa	tctagcatta	1020
ttcatttttg	ttcaatcaaa	agtggtttca	atattttttt	tagttgggta	gaatactttc	1080
ttcatagtca	cattctctca	acctataatt	tgggaatatt	gttggtggct	tttgtttttt	1140

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ctotttagtat agcatttttta aaaaaatata aaagctacca atctttgtac aatttgtaaa 1200
tgtttaagaat tttttttata tctgtttaat aaaaattatt tccmacaacc ttaaaaaaaaa 1260
aaaaaaaaaa aaaaaaaaaa aaaaanaa 1288

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<210> 126
<211> 1517
<212> DNA
<213> Homo sapiens

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<220>
<221> SITE
<222> (159)
<223> n equals a,t,g, or c

```

```

<220>
<221> SITE
<222> (1123)
<223> n equals a,t,g, or c

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```

<220>
<221> SITE
<222> (1510)
<223> n equals a,t,g, or c

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<400> 126
agtggcttaa aggcattcgtt ttagggatta ctgggaagta tcttcaaagt aatacatgag 60
aaacattcct tcctaaatcc tttattatat tgaatatogt attaattggg tttcagaggg 120
taaattaacc atgtattcct gcaataaatg tcacttgnt cttgtatata atctttttta 180
tatattaccg gattgattca ttagtatttt gttgaggatt tttgtgtcta tattcataag 240
agatgctggg ctgcagtttt ctttttttgt gataatctgg tttttgtatc agtaatacag 300
gccccatgaa acgagttggg aagtgttcac ctctcttgta ttttttcaag agtttgtgaa 360
gaattgctat taattcttta aatgttttgt agaactacc attgaaatca tgtgtcctgg 420
gctttttttt gagggaagtg ttctgataac taattcagta tctacttttt atagctctgt 480
tcagattttg cttcttcttg agttagtttt ggtaatttgt gtatctctag gartttgtcc 540
atttcattta tctcatttgt tggcataaat taaactaaat ttggcctgag cctacctgta 600
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taaattagga atgtagtttt tgtaacagct cctgagtcct aggcagtcac agcagycag 720
tctgtcaatt gcaggctgct aactaagcag cccatgstca aatgaggcaa aaacctttgc 780
ttttaacaca tagtatagct ttgtaatcct tttcttgac actcgggtaa tttcttctt 840
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tactgtaaac cattttattc ttggatcttc tgtagagtat attatcacag gtacttttta 1380
caggggtgtc taatcttttg gcttccctgg gcacattgaa agaagaagaa ttgtcttggg 1440
ccacacatca aatagcgtaa cactaataat agttgatgag ctaaaaaaaa aaaaaaaaag 1500
gcaaaaaagn cccaaaa 1517

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<210> 127
<211> 1073
<212> DNA
<213> Homo sapiens

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<220>
 <221> SITE
 <222> (495)
 <223> n equals a,t,g, or c

<400> 127
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 ttctgcagtg tgaaatagat tgggttggaa aatgaacctg gctttgctat aaattacatt 120
 cacaggcctt tttgcaaatg tgtaacttgc ctatcaaagt agttttagg gcaaatgcag 180
 aataatgtc tccatctggg aaagtacctt wlaytcatgt gggaaatcaa gtagtatcag 240
 aacttgggtcc aatagtccaa tttgttaaag ccaagggcca ttctcttagt gatgggctgg 300
 aggaagtcca aaaagcagaa atgaaagctt acatggaatt agtcaacaat atgctgttga 360
 ctgcagagct gtatcttcag tgggtgtgat aagctacagt aggggrmgatc actcatgmta 420
 ggtatggwtc tcttacctt tggcctctgw wtcataatctt ggcctatcaa aaacagtggg 480
 aagtcaaacg taagntgaaa gctattggat ggggaaagaa gactctggac caggtcttag 540
 aggatgtaga ccagtgtgtt caagctctct ctcaaagact gggaacacaa ccgtatttct 600
 tcaataagca gctactgaa cttgacgcac tgggtatttg ccactatata accattctta 660
 ccacacaatt gacaaatgt gaactttctg agaaggtgaa aaactatagc aacctccttg 720
 ctttctgtag gagaattgaa cagcactatt ttgaagatcg tggtaaaggc aggctgtcat 780
 agagttatgt gttagtctca ggagtcttaa cttttgaaat atgttttact tgaatgttac 840
 attagatatt ggtgtcagaa ttttaaaacc aaattactgc tttttgaaac ctcaaattat 900
 ataatgtatc ttatgtatgt gctttatatt gttatttgtg tatacattaa aataattctg 960
 aattatttaa tctgatatgt tgtattctgt atcttgaaat ttttgttcc ttgaaacatg 1020
 catgcattta aaaataaagc ttaaacaact gtaaaaaaaa aaaaaaaaaa ctc 1073

<210> 128
 <211> 300
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (273)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (294)
 <223> n equals a,t,g, or c

<400> 128
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 tcttgactct gtatccaatt tgccagtctg tgtctttcat ttggagcatt tagccattt 180
 acatttaagg tkaatattgt tatgtgtgaa tttratcytr tcattatgwt gttagctggg 240
 tattttgctt gttagttgat gcagtttctt ccnggcata atggtcttta caanttgga 300

<210> 129
 <211> 1275
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (1152)

10004950.12004

<223> n equals a,t,g, or c

<400> 129

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tggagggttat gtgagctcct tctcctttcc tccagtttcc tcttcccttc tctcctctgc      120
ctcttttgct tttccctttc ttcctgggtac cccctgcccc ttcctgtatt ttctcccatc      180
gccattctcc cctctcccac tgtccctaac ccgttcaaac tcttccctct taaatgggtg      240
agattttctc tcaccaagca cccccagta ttaattaaac tagctgcaaa caggcagcaa      300
gtgggtctacc atgacagatg ggttttgtgt gtgtgtgtgt gtgtgtaatt gtaataaaac      360
atattgartc actcaataaa cacagagtgt ctactacatg tatcargcac tatcatagat      420
gctaattaac gaaactgaaa tggccaggcc ctacagtggt ctcagtccta taatccagc      480
actttgggag gatgaggcag gaggatcact tgaggccggg agttcaagac cagcctgggc      540
aacatagtaa gactccatct ctacaaaaaa aaaatttttt ttattatact ttaagttttg      600
ggttacatgt gcagaacgtg tagttttgtt acatagggtat atacgtgccc tggtagtttg      660
ctgcacccat caacccatca cctacattag gtatttctcc taatgttacc cctctcctag      720
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atcattgatg gacaagtttt gctattgtga atagtgccac aataaacata cgtgtgctgt      1020
tgtctttata gcagcatgat ttataatcct ttgggtatat acccagtaat gggatcactg      1080
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tttgaactaa tntacactcc caccaacagt gtaaaagtgt ttctattttt ccacaacctc      1200
tccaacatct gttatttcct gactttttta tgaacgtcat tctaactggc gtgagatggg      1260
atctcattgt gggtt      1275

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<210> 130

<211> 472

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (2)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (471)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (472)

<223> n equals a,t,g, or c

<400> 130

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cngaaacccc gtgaaccctc cccgggttaa aaagcccccc ctaaatgggg ggaacgcytc      60
acacgttata aaaaagcact agaatgtttt gaaagcgaga aacaacagct gtgtagggtg      120
gctagcagtt agtggtgtac agaagacaga tatttgtgca tttgtgcatc ttctaagttt      180
gctgcaatga gcatgtatta cttccatagt tataaaacac atgcaaaatg cctttttaaa      240
atgaaaaaaa atccatgagt gtaagtgtata tatatgcttt ggaaagcctg ggacgggtcat      300
tgtttactct caatagtatg tggttgctt tgtctttttg agacattttg ttttaactctg      360
ttgatgacaa taacctgttg ataataaac ttgataacaa ataaaatgac ttatgattga      420
awmaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa nn      472

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10004560.120701

<210> 131
 <211> 1950
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (132)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (225)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (249)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (577)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (1933)
 <223> n equals a,t,g, or c

<400> 131
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 gccgtgcctg tnattcgctg gtgtatgatg aggaaatcat ggctggctgg gcacctgatg 180
 actctaacct caacacaacc tgcccccttc gcgcctgccc cttnttgccc ctgctcagtg 240
 tccagacctt tgattccccg cccagtgtcc ccagcccca atctgtctgg gccagtggca 300
 gcaaagatgc tcctgtccct ggtggtccct gccctgtgct cagtgaaccga agctctgcct 360
 tgctctggat gagccccagc tctgcaacgg gcacatgggg ggagcctccc ggoggggtga 420
 gagtggggca tgggcatacc tgagccccct ggtgctgctc aaggagctgg agtcgctggt 480
 agagaacgag ggcagtggag tgctggcggt gctgaactg cccctgccc accccatcat 540
 cttctggaac cttttgtggt atttccaacg gctacgctg cccagctatc taccaggcct 600
 ggtgctggcc tcctgtgatg ggccctcgma ctcccaggcc ccattctcct ggctaacccc 660
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 ctgcccacct ctctatgtgc tctggagggt ccacagccag atccccagc ggggtggatg 780
 gccaggccct gtacctgcat ccttagttt ggcactgttg gactcagtg tgcgccatgt 840
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 tcccaaggcc attgactgcc gaaaatgttt tggagcacct ccagaatgct agagacctta 1140
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 cttccctgtt gccttcatgg agttgggaac aggcctggga ggatgcccag tcaaaggctc 1260
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 ctgttcttcc cttgtcctat accgggaact cccctccagg gtacccacag atctgcattg 1440
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 gcctttgccc tgaatgggag gtagggatgt cattctccac caataatggt cctcttccc 1560
 tgacgttgct gaaggagccc aaggctctcc atgccttct acctaagtgt ttgtatttta 1620

10004360-120701

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agaaagggaa	gggaaatagg	gcaccatggg	cgggtgggtt	gtagttcctt	caaagtcag	1740
cactgggagc	tagaggagtc	tcaagctccc	cttaggaaga	actggtgccc	cctccagtc	1800
taatttttct	tgcccgcccc	gccttgggga	atgcctcacc	cacccaggtc	ctgacctg	1860
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tctttttcaa	anaaaaaaaa	aaaaaaaact				1950

<210> 132
 <211> 990
 <212> DNA
 <213> Homo sapiens

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 <221> SITE
 <222> (657)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (852)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (859)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (962)
 <223> n equals a,t,g, or c

<400> 132	
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agcctgatct	ttttcatatt
gaaatgtatt	tttgcattgt
cttttaagca	tgatattttt
atattttacat	gtaatgtaat
ttatttttato	tagggcattt
aycattgtat	tttccyctat
tttcagaatt	gcaatatgcc
ccacttactt	gaaaattctg
cttgtatttt	tactactcct
ttattatctt	atyctccatt
ttctatgtga	tgaacctaat
attaaatttt	tatttttggg
gcatatagaa	tnctaggtng
gcttctatca	tttckgkga
cngaattttt	tcattgtctt
cttgaataag	aatatataag
cttatattaa	acaaatgctt
acatttccat	ctgtggatta
aggtatgcty	tctttatata
ttttacttgt	aatctycacc
ccaacctatt	tattatttaa
aaatattttt	tgtattaatc
ttgtggstat	yaaatatata
attactttta	aacctaaatt
tttaattcta	ttttatgcat
atataatnctg	acaagccaaa
ctcaatttcc	actatgtatg
tagcctggcc	tctgtgcagg
gcatacttat	atttctatat
cattwattkg	aatgtaaaagt
ttttaaatta	tagtttttca
ggtttttagga	

<210> 133
 <211> 1720
 <212> DNA
 <213> Homo sapiens

1000450.120701

<400> 133

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gtctgataag cgactgtggt tattcccccta aagtttactt cagcactaac actagtgc 60
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ggatatagag actcaacagt gacattttatt gracaacatc aaggggaata ggatactat 180
caaaactggga ttattcttat caaaacatgg tcttctttga ataagaaaaa tacatagtg 240
gttattatgg acttaaaact gtgttaaatg gatattctga taaaatattt gctgtctgt 300
agagtgtgga aaatctgaga atatttagctt tactcatctt gagctttgag gatgtctct 360
gtacgccgat ggttccatat taactaaaaa agctgggtat tgtaaaatct catttaaaa 420
aactcagatg agaagaaaaa tttctttgat ggtgagactg ttgtcttagt tcaggaaatt 480
atttaataat cctttgtttac ctgtgaatga aggaactttg taattctgat ttatc 540
acatgagcct ttccagagtc agcttagaca ctgttgctgc aaatagccat gcttc 600
atgccaaagga ggcccagagg gagggcctag tcttctctctg ttgctgtaca tataagaaa 660
tgcttttttt ttttattttt catttgttat ctataatgag ctttctgagc cctgtatta 720
tgtgagacaa acaggagtta ttgatgttat acactccctt ccattcagga tttctgctt 780
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agattgtctg gcactccaaa aaaaaaaaaa aaaaaaaaaa 1720

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<210> 134

<211> 705

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (349)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (409)

<223> n equals a,t,g, or c

<400> 134

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gtggaatcac agacactcct agaggagaat gctgttcaag gaacagaacg tactcttgga 180
ttaaatatag caccttttat taaccagttt caggtaaccta tacgtgtatt tttggacct 240
tcttcattgc cctgtatacc ttttaagcaag ccagtggaac tcttaagact agatttaatg 300
actccgtatt tgaacacctc taacagagaa gtaaagggtat acgtrtgnat aatctgggaa 360
gacttgactg ctattccatt ttgggtatca tatgtacctt gatgaagang attagggttg 420
gataactcaa gtgaagcctc ccactggaaa caagctgcag ttgttttaga taatcccatc 480
caggttgaaa tgggagagga acctgtactc agcattcagc atcacaaaag caatgtcagc 540
atcacagtaa agcaatgaag agcagttttc caatgaaaac tgtgtaaata gagcatcaac 600

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J0004360.1.20701

660
705

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<400> 135
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gtattgctgt tcctcagttt tgcctgggga aatggaggst cagtgaagtt cagtgaagtg 180
cccagagtca tgccattggc gggctggcca gkgmtccagg tctccagcac cctcgggcc 240
cctcctcacc aggtcacatc atctcctgga ttagaatctg ctccatatgt ctgtcctgaa 300
agggaaaaaaaa aaaaaaaaaa aac 323
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<210> 136
<211> 582
<212> DNA
<213> Homo sapiens
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[illegible]

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<210> 137
<211> 1021
<212> DNA
<213> Homo sapiens
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<220>  
<221> SITE  
<222> (248)  
<223> n equals a,t,g, or c
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<220>  
<221> SITE  
<222> (1004)  
<223> n equals a,t,g, or c
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<220>  
<221> SITE  
<222> (1014)  
<223> n equals a,t,g, or c
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<400> 137
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 ttttcgtgca tttgttacta ctgagtttct taatatctga ctggcctccg cccacgggt 240
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 agccttagat agcagcagaa ggcttttgg attctcctcc ttgaaaagat tctcagttac 960
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 a 1021

<210> 138
 <211> 1777
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (58)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (118)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (237)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (661)
 <223> n equals a,t,g, or c

<400> 138
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 tagctaggac tacaggaatg tgccatcatg cctggctaat ttttaagttt tttgtanaga 240
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 natgtgcta aggcaacagg atcttgggaa agctctagat ttttggcytc gaaataaaac 720
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ctttggggcag	cgcaacgacg	ccttgcttaa	tgatttccag	gacctgttcc	actgacagct	1200
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<210> 139
 <211> 643
 <212> DNA
 <213> Homo sapiens

<400> 139						
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cggcagcctt	ggtgaccttg	agcacgttga	agcgcaactg	cttgctcaga	ggccggcact	180
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cctogaatgg	acacattacc	agtgaagggg	catttcttgt	caatgtaggt	gcccctcaat	420
agcctccttg	gggtgtcttt	gaagcccaga	ccgatgttct	tgtagtaac	ccgcgggagc	480
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ttttggtagg	cacgctcagt	ctgaatgtcc	gccatcttct	cgtgccgmay	tcctgcagcc	600
cgggggatcc	actagttcta	gagcggccgc	accgcgggtg	agc		643

<210> 140
 <211> 1220
 <212> DNA
 <213> Homo sapiens

<220>
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 <222> (404)
 <223> n equals a,t,g, or c

<400> 140						
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gagtagctgg	gattacacgt	gcccaccacc	acgcccgact	aatattkgta	tttttagtag	180
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<211> 721

<212> DNA

<213> Homo sapiens

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<221> SITE

<222> (623)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (626)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (638)

<223> n equals a,t,g, or c

<400> 141

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taatttcccc	cagctcctcc	ccnccngaag	aaggaaacnaa	agaaagtccc	ttccacacgt	660
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<210> 142

<211> 1468

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (901)

<223> n equals a,t,g, or c

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 gttttattct caaaatatag agattctgtg atttatttgc cctgtttatg gattaaaaag 180
 aaaattctaa tataaagcat ttcaatagga tgcataaggta tattacgttt tttaaatgct 240
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 tatatgagga acccataaat gaatagctaa tttttaaaat gccattaaaa tgcatagaat 420
 kcttattaaa accttactat actatttctt caaggcaagt aaattgacca tgrgraaaag 480
 acacagttat taaacactgt tgacaggaaa attctccttg ataacatagg acaattaatg 540
 gaaaaaaaaa ttctcattat ttgcaaagaa tgaacaagtt aatgaacaaa caaactagat 600
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 aaagcawraa aaaaaaaaaa aaactcga 1468

<210> 143

<211> 300

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (268)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (284)

<223> n equals a,t,g, or c

<400> 143
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 agtgggtttt ctctactgga aattttcaat aaacctgtca ttattgttta ctttgattaa 240
 aaaaaaaaaa aaaaaaaaaa aaaccccnag gggggggccg ggtncccaat cccccccaaa 300

<210> 144

<211> 2243

<212> DNA

<213> Homo sapiens

<220>
 <221> SITE
 <222> (929)
 <223> n equals a,t,g, or c

<400> 144

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ggcaatgttc	cacggcttct	ccttcctggg	agctggctcc	ataacttgat	tttccccaaa	240
cgtgttgcaa	tccctgctgc	cccttagcca	cccagggtct	tgtgtgggta	tgagtgtaga	300
ggatgggggt	atgccaggcc	tgggccgtcc	caggcaggcc	cgctggaccc	tgatgctact	360
cctatccact	gccatgtacg	gtgcccatgc	ccatttgctg	gcactgtgcc	atgtggacgg	420
ccgagtgcct	ttycggccct	cctcagccgt	gctgctgact	gagctgacca	agctactgtt	480
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<210> 145
 <211> 1082
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (265)
 <223> n equals a,t,g, or c

<220>
 <221> SITE

<222> (354)
 <223> n equals a,t,g, or c

<220>
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 <222> (1064)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (1081)
 <223> n equals a,t,g, or c

<400> 145
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 aaccatctcc cacaattaat tcttgactat ataaatttat ggtttgataa tattatcaat 180
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<210> 146
 <211> 4313
 <212> DNA
 <213> Homo sapiens

<220>
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 <222> (1126)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (4015)
 <223> n equals a,t,g, or c

<400> 146
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<210> 147
 <211> 1183
 <212> DNA
 <213> Homo sapiens

<220>
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 <222> (1053)
 <223> n equals a,t,g, or c

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 <212> DNA
 <213> Homo sapiens

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 <213> Homo sapiens

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 <223> n equals a,t,g, or c

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 <222> (842)
 <223> n equals a,t,g, or c

<220>
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 <222> (1079)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (1334)
 <223> n equals a,t,g, or c

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<210> 150

<211> 2890
 <212> DNA
 <213> Homo sapiens

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 <223> n equals a,t,g, or c

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2890

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 <213> Homo sapiens

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 <223> n equals a,t,g, or c

<220>
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 <222> (90)
 <223> n equals a,t,g, or c

<220>
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 <222> (128)
 <223> n equals a,t,g, or c

<220>
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 <222> (219)
 <223> n equals a,t,g, or c

<220>
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<220>
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<210> 152
 <211> 802
 <212> DNA
 <213> Homo sapiens

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 <223> n equals a,t,g, or c

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<220>
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<220>
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 <222> (777)
 <223> n equals a,t,g, or c

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 aactttctag taaagaattg aaaagcaaat cctcactaaa ggatacacag gataggataa 720
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 gggggggggc cggaacccat tc 802

<210> 153
 <211> 461
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (77)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (437)
 <223> n equals a,t,g, or c

<400> 153
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 aagcacttat ttggcwnaaa aaaaaaaaaa aaaaaaaaaa c 461

<210> 154
 <211> 2388
 <212> DNA
 <213> Homo sapiens

<400> 154
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<210> 155

<211> 642

<212> DNA

<213> Homo sapiens

<400> 155

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 tgattcttat ggaaatctct gttatcaaga tatttcaaga tgagacaaca ctgaagatca 420
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 aatctaccag tttatggtag aaagatggga accttatttg aatgtgtttt tttttttcca 540
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 atttttatct atacaaattt aaataaaaatt atgttttgta ag 642

<210> 156

<211> 1251
 <212> DNA
 <213> Homo sapiens

<400> 156

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gataacagaa	ttgaggggta	aggatatatt	gagttatctg	gagaaaaaca	tctctgtaca	300
aatgacaata	gctgttgga	ctogaatgcc	accgaagaac	tcagccctg	gctctctagt	360
cttcgtgtca	atatccttta	ttgttttgat	gattatttct	tcagcatggc	tcattattcta	420
cttcattcag	aagatcaggt	acacaaatgc	acgcgacagg	aaccagcgtc	gtctcggaga	480
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<210> 157
 <211> 2127
 <212> DNA
 <213> Homo sapiens

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 <223> n equals a,t,g, or c

<220>
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 <222> (1212)
 <223> n equals a,t,g, or c

<400> 157

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ggcgctcagcg	cnccttgacg	cacccttgcc	tgagcggaa	tctctcagt	ccatcttcaa	360
caatgtcatg	accctatgtg	ccatgtgtcc	cctgtgttta	ttcacctacc	tcaactcctt	420
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gtttgggtctg	gctggccttc	tgccgtgccg	ctracacggc	ccccatcatg	agtggccagg	660
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tatcagaaaag	tgccttcggc	tactttatca	cagcctgtgc	tgtkatcatt	ttgaccatca	780
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<210> 158
<211> 1625
<212> DNA
<213> Homo sapiens
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<220>  
<221> SITE  
<222> (44)  
<223> n equals a,t,g, or c
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<220>  
<221> SITE  
<222> (1066)  
<223> n equals a,t,g, or c
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<400>	158						
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catggagggc	tgagaaaaat	gaggggagat	ggaaccgat	acaaggagat	ccaataagag		180
aagcttattt	aatatttgtg	aaataaagga	agamccaaaag	catttttttta	agtggggaat		240
ccttttgaac	agttattatt	tatccatat	attaayaaca	tctttttctga	caaactccat		300
cagatgaagt	gtaaatggat	aatcttttaa	tggatctaaa	cctagaaagt	ttcacttact		360
gttcatgtcc	gtgttcaga	attgtgaaat	ggtgtgtggt	tttgctttcc	aagttcttct		420
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<210> 159

<211> 1687

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (334)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (505)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (1044)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (1670)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (1678)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (1683)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (1684)

<223> n equals a,t,g, or c

<400> 159

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ctaagggacc	aaaagcgtat	gcgacttact	gaagtgcag	atgataaaga	ggaggaggag	240
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<210> 160
 <211> 1842
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (19)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (62)
 <223> n equals a,t,g, or c

<220>
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 <222> (1793)
 <223> n equals a,t,g, or c

<220>
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 <222> (1834)
 <223> n equals a,t,g, or c

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<210> 161
<211> 770
<212> DNA
<213> Homo sapiens

<220>
<221> SITE
<222> (744)
<223> n equals a,t,g, or c

<400> 161
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caattaaacc tcttttctct ataaattatc cagtcttata tatttcttca tagcagtgtg 240
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<210> 162
<211> 519
<212> DNA
<213> Homo sapiens

<400> 162
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ccgtgtgaca aggtgtcctc tctgagcctc agtcacacac tgccttaacg gttgggcctc 180
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gtctctctgc aggacggatg aggccttctg gacagaggc 519

<210> 163
<211> 753
<212> DNA
<213> Homo sapiens

<220>
<221> SITE
<222> (720)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (730)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (736)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (741)
<223> n equals a,t,g, or c

<400> 163
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<210> 164
<211> 1893
<212> DNA
<213> Homo sapiens

10004560-120701

<400> 164
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 ttctgcaaac agtgtagtaa gaaaggtaat ttgagaattt ccaaagatgt tctcgctagc 180
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 aaaaatcact taagttgtag catacaatag ttaacattag ttcttttatt gctatgggtat 720
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<210> 165
 <211> 2153
 <212> DNA
 <213> Homo sapiens

<220>
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 <222> (101)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (1670)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (2134)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (2135)

<223> n equals a,t,g, or c

<400> 165

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<210> 166

<211> 1251

<212> DNA

<213> Homo sapiens

<400> 166

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<210> 167

<211> 882

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (522)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (752)

<223> n equals a,t,g, or c

<400> 167

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<210> 168

<211> 1208

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (161)

<223> n equals a,t,g, or c

<400> 168

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gaatatagat	gaagctgggc	tcatttctat	tttccaagtk	nytggggggcc	atagtgtatt	180
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gcagaactga	aattcaaact	tatgcaatta	gtctccagtc	taagatttta	actgcactgt	540
tattctgtcg	ctgttaccta	ctaattgggt	wacctgtggc	aagctatttt	accyctctaa	600
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<210> 169
 <211> 1258
 <212> DNA
 <213> Homo sapiens

<400> 169						
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<210> 170
 <211> 1624
 <212> DNA
 <213> Homo sapiens

<400> 170						
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<210> 171

<211> 2003

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (1961)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (1999)

<223> n equals a,t,g, or c

<400> 171

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<210> 172
 <211> 786
 <212> DNA
 <213> Homo sapiens

<400> 172						
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 <211> 1758
 <212> DNA
 <213> Homo sapiens

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<210> 174

<211> 1369

<212> DNA

<213> Homo sapiens

<400> 174

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<210> 175

<211> 2379

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (44)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (1881)

<223> n equals a,t,g, or c

<400> 175

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<210> 176

<211> 1348

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (407)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (408)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (1331)

<223> n equals a,t,g, or c

<400> 176

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<210> 177

<211> 1502

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (446)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (470)

<223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (1024)
 <223> n equals a,t,g, or c

<400> 177

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ga						1502

<210> 178
 <211> 1637
 <212> DNA
 <213> Homo sapiens

<400> 178

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<210> 179

<211> 2911

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (622)

<223> n equals a,t,g, or c

<400> 179

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<211> 3374

<212> DNA

<213> Homo sapiens

<400> 184

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ttattgtttg	caaaacaata	aatatgattt	taaattctct	taaaaaaaaa	aaaaaaaaaacc	1320
ccgggggggg	gcccggg					1337

<210> 186
 <211> 941
 <212> DNA
 <213> Homo sapiens

<400> 186						
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ctgattctcc	ccaccagagg	acagacgttg	aaagatacca	cgtccagut	ttcagcagac	180
tcaactatca	tggacattca	ggtcccgaca	cgagccccag	atgcagtcta	cacagaactc	240
cagcccacct	ctccaacccc	aacctggcct	gctgatgaaa	caccacaacc	ccagaccag	300
acccagcaac	tgggaaggaa	ggatgggcct	ctagtgcag	atccagagac	acacaagagc	360
accaaagcag	ctcatcccac	tgatgcacac	acgacgctct	ctgagagacc	atccccaaagc	420
acagacgtcc	agacagaccc	ccagaccctc	aagccatctg	gttttcatga	ggatgacccc	480
ttctctctatg	atgaacacac	cctccggaaa	cgggggctgt	tggtcgcagc	tgtgtgttcc	540
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aatcattgca	ggtgagtcca	tcagaaacag	gagctgacaa	ccygctgggc	acccgaagac	660
caagccccct	gccagctcac	cgtgccccagc	ctcctgcac	ccctcgaaga	gcctggccag	720
agagggaaga	cacagatgat	gaagctggag	ccagggctgc	cggtcogagt	ctcctacctc	780
ccccaacct	gcccccccc	gaaggctacc	tggcgccctg	ggggctgtcc	ctcaagttat	840
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aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	aaaaaactcg	a		941

<210> 187
 <211> 678
 <212> DNA
 <213> Homo sapiens

<400> 187						
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aaagaggagg	atgttttaaat	gcctccagac	tacattcctt	tttatctctg	attttacctg	180
ggagtccaaa	gttcaattcc	ataaagcaag	cgtttatttg	tcactttcaa	tatacatcga	240
ttgccatgct	taagatgcaa	tatgggctgc	ggaaatagg	taaccacacag	gctcccagg	300
cccagtgtag	aagggtgagag	attcgtgtaa	aatgattcaa	ataaaaggaa	gaccctggcc	360
gggtgccgta	gctcacgcct	gtaatcccag	cactttggga	ggccgaagcg	agtggatgac	420
gaggttagga	gttggagacc	agcctggcca	acatcgtgaa	accccgctct	tactaaaaat	480
acaaaaatta	gcccgggcag	gtggcaggca	cctgtaatcc	tagctagtgtg	ggaggctgag	540
gcaggagaat	cgttttgaatc	tgggagttgg	aggttgcagt	gagctgagat	cgcgcacag	600
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taaaaaaaaa	aaaaaaaaa					678

<210> 188
 <211> 1848
 <212> DNA
 <213> Homo sapiens

<400> 188

gaaactggac	cggagaaccg	gagcgaagcg	aagcgggaagc	cgggaatgag	gccggactgg	60
aaagccggag	cggggccagg	cgggcctccc	caaaagcctg	ccocttcac	ccagcggaaa	120
ccgccggccc	ggccgagcgc	ggcgcccgct	gcgattgcag	tcgcggcgcc	ggaggaagag	180
agacggctcc	ggcagcggaa	ccgcctgagg	ctggaggagg	acaaaccggc	cgtggagcgg	240
tgcttgagg	agctggtctt	cggcgacgct	gagaacgacg	aggacgcgtt	gctgcggcgt	300
ctgcgagggc	cgagggttca	agaacatgaa	gactcgggtg	actcagaagt	ggagaatgaa	360
gcaaaaggta	attttccacc	tcaaaagaag	ccagtttggt	tggatgaaga	agatgaagat	420
gaggaaatgg	ttgacatgat	gaacaatcgg	tttcgggaag	atatgatgaa	aaatgctagt	480
gaaagtaaac	tttcgaaaaga	caaccttaaa	aagagactta	aagaagaatt	ccaacatgcc	540
atgggaggag	tacctgcctg	ggcagagact	actaagcggg	aaacatcttc	agatgatgaa	600
agtgaagagg	atgaagatga	tttggttgcaa	aggactggga	atttcataat	cacatcaact	660
tctcttccaa	gaggcatctt	gaagatgaag	aactgccagc	atgcgaatgc	tgaacgtcct	720
actgttgctc	ggatctccat	ctgtgcagtt	ccatcccggg	gcacagatcg	tgatggttgc	780
tgggattaga	taatgctgta	tcactatttc	aggttgatgg	gaaaacaaat	cctaaaattc	840
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aagtttttag	cacgagtacc	cacagcaagg	ttctttatgt	ctatgacatg	ctggctggaa	960
agttaattcc	tgtgcatcaa	gtgagaggtc	tgaaagagaa	gatagtggag	agctttgaag	1020
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caatgaagac	caaagaactg	attggaagca	tgaaaattaa	tgggaagggt	gcagcatcca	1140
cattctcttc	agatagtaag	aaagtatacg	cctcttcggg	ggatggagaa	gtttatgttt	1200
gggatgtgaa	ctcaagggaag	tgccttaaca	gatttggtga	tgaaggcagt	ttatatggat	1260
taagcattgc	cacatctagg	aatggacagt	atgttgcttg	tggttcta	tggtgagtg	1320
taaatatata	caatcaagat	tottgtctcc	aagaaacaaa	cccaaagcca	ataaaagcta	1380
taatgaactt	ggttacaggt	gttacttctc	tgaccttcaa	tcctactaca	gaaatcttgg	1440
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tattttcaaa	cttcccagtc	attaaaaata	agaatatatt	tcattgttcat	accatggatt	1560
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aagcctgtct	tgatatatca	tctcagaaac	tttctgta	atgtgataat	atatggaaaa	1740
tgatttatag	atccagctgt	gcttaagagc	cagtaatgtc	ttaataaaca	tgtggcagct	1800
tttgtttgaa	aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	aaactcga		1848

<210> 189
 <211> 1292
 <212> DNA
 <213> Homo sapiens

<400> 189

gctgccttgc	tccacacctg	gtcaggggag	agaggggaaa	gccaaggga	gggacctaac	60
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tgaggtggct	gcgggactgg	aagtcacg	gcagaggtct	cacagcarcc	aaggaacctg	180
gggcccgcctc	ctccccctc	caggccatga	ggattctgca	gttaatcctg	cttgcctctg	240
caacagggct	tgtaggggga	gagaccagga	tcataaggg	gttcgagtgc	aagcctcact	300
cccagccctg	gcaggcagcc	ctgttcgaga	agacgcggct	actctgtggg	gcgacgctca	360
tgcgccccag	atggctcctg	acagcagccc	actgcctcaa	gccccgctac	atagttcacc	420
tggggcagca	caacctccag	aaggaggagg	gctgtgagca	gacccggaca	gccactgagt	480
ccttccccca	ccccggcttc	aacaacagcc	tccccaaaca	agaccaccgc	aatgacatca	540
tgctgggtgaa	gatggcatcg	ccagtctcca	tcacctgggc	tgtgcgaccc	ctcacccctc	600
cctcacgctg	tgctactgct	ggcaccagct	gyctcatctc	cggctggggc	agcacgtcca	660
gccccagtt	acgcctgcct	cacaccttgc	gatgcgccaa	catcaccatc	attgagcacc	720

agaagtgtga	gaacgcctac	cccggcaaca	tcacagacac	catgggtgtgt	gccagcgtgc	780
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ctcttcaagg	cattatctcc	tggggccagg	atccgtgtgc	gatcaccgga	aagcctgggtg	900
tctacacgaa	agtctgcaaa	tatgtggact	ggatccagga	gacgatgaag	aacaattaga	960
ctggaccac	ccaccacags	ccatcacccct	ccatttccac	tgggtgtttg	gttccctgttc	1020
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ctaaatgaaa	aaraaaaaaa	aaaaaaactc	ga			1292

<210> 190
 <211> 906
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (144)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (145)
 <223> n equals a,t,g, or c

<400> 190						
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agacgattga	ggccagaggg	gtgnngtaac	ttgcctgggg	gtcacgagc	acaaaaggag	180
ccgaggcagg	atctgaccct	tgttctctgg	cctcactgcc	ctcactttgc	catgaccgga	240
agttatgtcc	ctacaaagca	atgcatgggc	caaggytctt	tttattgtat	ttttattttt	300
aagggtcctg	ttcaaaaactg	gtgtgagctc	tgaggagtcc	tgaaccctgg	gtgcagcatc	360
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tgctttctcaa	tcattttggc	ataacttgat	tgtggctgta	attttttttt	ttttttttgt	840
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actcga						906

<210> 191
 <211> 1941
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (561)
 <223> n equals a,t,g, or c

<220>
 <221> SITE

<222> (1414)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (1422)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (1427)
 <223> n equals a,t,g, or c

<400> 191

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attctggcca	cacccccctt	cagccgcctg	gagaagttgt	atagcactat	ggtgcgcttc	180
ctcagtgacc	gaaagaaccc	ggtgtgccgg	agatggctgt	ggtactgctg	gccaaccttg	240
ctcaggggga	cagcctggca	gctcgtgcc	ttgcagtgca	gaagggcagt	atcggaacc	300
tcctgggctt	cctagaggac	agccttgccg	ccacacagtt	ccagcagagc	caggccagcc	360
tcctccacat	gcagaaccca	ccccttgagc	caaytagtgt	ggacatgatg	cggcgggctg	420
cccgcgcgct	gcttgccctt	gccaaggtgg	acgagaacca	ctcagagttt	actctgtacg	480
aatcacggct	gctggacatc	tcgggtatcac	cgttgatgaa	ctcaktggtt	tcacaagtca	540
tttgtgatgt	actgtttttg	nattggccag	tcattgacagc	cgtgggacac	ctcccccccc	600
cgtgtgtgtg	tgctgtgtgt	gagaacttag	aaactgactg	ttgcccttta	tttatgcaaa	660
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cctgtttctc	tctcctcctt	ccacctcccc	tcctccatc	acctcacgcc	tttctgttcc	780
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gcctacatag	aagacttttt	ttatttttaac	caaagttact	gttgtttaca	gtgagtttgg	900
ggaaaaaaaa	taaaataaaa	atggctttcc	cagtccttgc	atcaacggga	tgccacattt	960
cataactgtt	tttaattgga	aaaaaaaaaa	aaaaaaaatac	aaaaaaaaat	tctgaaggac	1020
aaaaaaagtg	actgctgaac	tgtgtgtggt	ttattgttgt	acattcacia	tcttgaggga	1080
gccaagaagt	tcgcagttgt	gaacagaccc	tgttcaactg	agaggcctgt	gcagtagagt	1140
gtagacctt	tcattgtact	tactgtacac	ctgatactgt	aaacatactg	taataataat	1200
gtctcacatg	gaaacagaaa	acgctgggtc	agcagcaagc	tgtagttttt	aaaaatgttt	1260
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taaaacttga	tgtaaatccc	tccttttttt	ccttttttgg	cttaatgaat	atcatttatt	1860
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ggtaagactt	taaaaaaaaa	a				1941

<210> 192
 <211> 2118
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (13)
 <223> n equals a,t,g, or c

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<220>  
<221> SITE  
<222> (1643)  
<223> n equals a,t,g, or c
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<210> 193
<211> 1538
<212> DNA
<213> Homo sapiens
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<220>
<221> SITE
<222> (112)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (147)

<223> n equals a,t,g, or c

<400> 193

c c g g g t t c g g	c t c t g t g t c a	g c a g c c g g g c	g g c g c t c g g g	c g g g a c a t g g	c a g c c t g t a c	60
a g c c c g g c g g	c c t g g c c g t g	g g c a g c c g c t	g g t g g t c c c g	g t c g c t g a c t	g n g g c c c g g t	120
g g c c a a g g c c	g c t c t g t g c g	c g g c c g n a g c	t g g a g c c t t c	t c g c c a g c g t	c g a c c a c g a c	180
g a c g c g g a g g	c a c c t c t c g t	c c c g a a a c c g	a c c a g a g g g c	a a a g t g t t g g	a g a c a g t t g g	240
t g t g t t t g a g	g t g c c a a a a c	a g a a t g g a a a	a t a t g a g a c c	g g g c a g c t t c	t c c t t c a t a g	300
c a t t t t t g g c	t a c c g a g g t g	t c g t c c t g t t	t c c c t g g c a g	g c c a g a c t g t	r t g a c c g g g a	360
t g t g g c t t c t	g c a g c t c c a g	a a a a a g c a g a	g a a c c c t g c t	g g c c a t g g c t	c c a a g g a g g t	420
g a a a g g c a a a	a c t c a c a c t t	a c t a t c a g g t	g c t g a t t g a t	g c t c g t g a c t	g c c c a c a t a t	480
a t c t c a g a g a	t c t c a g a c a g	a a g c t g t g a c	c t t c t t g g c t	a a c c a t g a t g	a c a g t c g g g c	540
c c t c t a t g c c	a t c c c a g g c t	t g g a c t a t g t	c a g c c a t g a a	g a c a t c c t c c	c c t a c a c c t c	600
c a c t g a t c a g	g t t c c c a t c c	a a c a t g a a c t	c t t t g a a a g a	t t c c t t c t g t	a t g a c c a g a c	660
a a a a g c a c c t	c c t t t t g t g g	c t c g g g a g a c	g c t a a g g g c c	t g g c a a g a g a	a g a a t c a c c c	720
c t g g c t g g a g	c t c t c c g a t g	t t c a t c g g g a	a a c a a c t g a g	a a c a t a c g t g	t c a c t g t c a t	780
c c c c t t c t a c	a t g g g c a t g a	g g g a a g c c c a	g a a t t c c c a c	g t g t a c t g g t	g g c g c t a c t g	840
t a t c c g t t t g	g a g a a c c t t g	a c a g t g a t g t	g g t a c a g c t c	c g g g a g c g g c	a c t g g a g g a t	900
a t t c a g t c t c	t c t g g c a c c t	t g g a g a c a g t	g c g a g g c c g a	g g g g t a g t g g	g c a g g g a a c c	960
a g t g t t a t c c	a a g g a g c a g c	c t g c g t t c c a	g t a t a g c a g c	c a c g t c t c g c	t g c a g g c t t c	1020
c a g t g g g c a c	a t g t g g g g c a	c g t t c c g c t t	t g a a a g a c c t	g a t g g c t c c c	a c t t t g a t g t	1080
t c g g a t t c c t	c c c t t c t c c c	t g g a a a g c a a	t a a a g a t g a g	a a g a c a c c a c	c c t c a g g c c t	1140
t c a c t g g t a g	g c c a g c t g a g	g c c c c a a g t g	c c c a g g c t t g	g t c a c c g g g a	a g a a c a a c t c	1200
t c a t c c c a c a	a t t g c t g c a g	a a c t c t t c t c	t c c c c a t c a t	g g g c c a c a g t	g g g t c t c t t a	1260
a t t t g a t t g t	g g g g t t c t t t	t t g t g g g g a g	g g g t g g t a t a	a c t t t t c t t c	a g a a g a c c c a	1320
t g t g g g a c a c	c t c c a a g g c t	g g c c t c c t c a	t a a g c c c t g c	c t a c a c c a t g	t t c c a g t a a a	1380
c c t c t c c a c c	a a g g a a c t g t	g t t c a g c t g c	c a c a g g c c t g	g a g g a g t t t c	c t g g c c t g t c	1440
a c g t g a g g t t	t g a t c a g t a a	a c c a g t g c a s	g y t t g g c c a a	a a a a a a a a a a	a a a a a a a a a a	1500
a a a a a a a a a a	a a a a a a a a a a	a a a a a a a a a a	a a a c t c g a			1538

<210> 194

<211> 1098

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (283)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (301)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (349)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (438)

<223> n equals a,t,g, or c

<400> 194

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ttgccctgaa	ggagcagagg	gatgcatcgc	tggagggtgac	ctacagttga	agaagactca	180
ttatgacaga	ccttgtcctt	cttccttggtg	gaaagtgttt	cctctgctgc	tactgctcat	240
gagactcttc	ccccctccctg	tcccaggga	ccaaagggct	tttctaccac	accctttctt	300
ngccccccgc	ctcccatgtc	tgctgtgcct	ttgtactcag	caattcttng	tttgcctcca	360
ttatcttcca	gccggataca	gagtgaatag	ttaaccacac	ttaggtcaaa	taggatctaa	420
atttttgttc	ctgctccngt	gtaaagaggc	cagtgtttgt	gtgttgcaag	cagccttgga	480
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<211> 1001

<212> DNA

<213> Homo sapiens

<400> 195

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<211> 1458

<212> DNA

<213> Homo sapiens

<400> 196

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 <222> (1195)
 <223> n equals a,t,g, or c

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 <212> DNA
 <213> Homo sapiens

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<210> 204
 <211> 1057
 <212> DNA
 <213> Homo sapiens

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 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (50)
 <223> n equals a,t,g, or c

<220>
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 <223> n equals a,t,g, or c

<220>
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 <222> (751)
 <223> n equals a,t,g, or c

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<210> 205
 <211> 721
 <212> DNA
 <213> Homo sapiens

<220>
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 <222> (264)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (340)
 <223> n equals a,t,g, or c

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 gagtgtcgct cttgttgccc aggttgagg gacgtggcgc aatctcggt caccacaacc 180
 tctgcctccc gggttcaagc aattctcctg cctcagcctc ccgagaagct ggggattaca 240
 ggcattgcgc accacaccca gctnaatttt atatttttag tagagatggg gtttctccat 300
 gttggtcagg ctggcctcaa actcccaacc tcaggtgatn ccgcctgctt tggcctcccc 360
 aaagtgtctg gattacaggc gtgagccact gcgcccagcc tcttttgctc ctttatactc 420
 attaactcac gcctgtaatc cctgttttgg gaggccaaag tgagaagggt gcttgaggcc 480
 aagagtttga gactagcctg ggcaacacag caagatgcca tctttataat aaaaaataaaa 540
 ataaaaatca attagctggg catgggtggaa cgcacctgta gtcccagcca attgagaggc 600
 tgaagtggga ggatcattga gcccaggagt tgaggttgca gtgagccatg atcatgtcac 660

tacactcagc ctgggcaata gagggacatg ttgtctctaa aaaaaaaaaa aaaaaactcg 720
a 721

<210> 206
<211> 2465
<212> DNA
<213> Homo sapiens

<400> 206
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agggagatga taagaaagag ggaggtaaag acagagcttt gaaaggagtt ttgcgagtgg 180
gagtattggc aaaaggatta cttctccgag gagatagaaa tgtcaacctt gttttgctgt 240
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ctcga 2465

<210> 207
<211> 1480
<212> DNA
<213> Homo sapiens

<400> 207
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 ttccgctgct gctcgccctt cctcctgcag gcgaaagcaa gaagatgaca gggacggttt 180
 gctggctgaa cgagagcagg aagaagccat tgctcagttc ccatatgtgg aattcaccgg 240
 gagagatagc atcacctgtc tcacgtgcca ggggacaggc tacattccaa cagagcaagt 300
 aaatgagttg gtggcttttga tcccacacag tgatcagaga ttgcgccctc agcgaactaa 360
 gcaatatgtc ctctgttcca tctgtcttgg tctcctggca tctgggtttg tggttttctt 420
 cctgtttccg cattcagtc ttgtggatga tgacggcatc aaagtgggtga aagtcacatt 480
 taataagcaa gactcccttg taattctcac catcatggcc accctgaaaa tcaggaaactc 540
 caactttctac acgggtggcag tgaccagcct gtccagccag atucagtaca tgaacacagt 600
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 cacggtaoct gagatccctg tgcacaacat agtgatcttc atgcgaactt cagtgaagat 720
 ttcatacatt ggccctcatga cccagagctc cttggagaca catcactatg tggattgtgg 780
 aggaaattcc acagctattt aacaactgct attggttctt ccacacagcg cctgtagaag 840
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<210> 208
 <211> 872
 <212> DNA
 <213> Homo sapiens

<220>
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 <222> (422)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (847)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (856)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (872)
 <223> n equals a,t,g, or c

<400> 208
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 tgtcctctgt ggctttcttg tgtaccctc tcttcttagc cattcagctc ctctagtcac 120
 ctccctagta gctagtgtc tctaagttt tatttaatta gaacaactcc atctccattt 180

caaggtaggt	caatgggggg	aaaagcctca	tgattttaa	ac	aacacagctt	240
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caaagatag	ctgtaccta	aactgctaaa	acaaaaatat	aaagacaagg	actaggtgat	360
taaggggaga	gaaaaatcat	ytotttttcca	ggaaaccttt	gctaaaaata	gcaaaacttg	420
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tgaacttcaa	tggggatttg	tcacctaggt	ctccatctat	aggaatacct	tcacatacct	600
atctattcat	gcacatat	tgaaaacagg	tacatacaaa	attacaacaa	aggaaaaaaa	660
ttctattgaa	cacttaaaaa	tagaaacagg	ccaggcacgg	tggctcatgc	tgtaatccca	720
acaatttggg	aggctgaggg	tggtggatca	cctgaggtca	ggagtgtgag	accagcttgg	780
ccaacatggt	gaaaccccg	cactactaaa	aatacaaaaa	aaattagcct	gtgtgggtggc	840
acactontac	aatccnggct	gactcgggaa	an			872

<210> 209

<211> 1779

<212> DNA

<213> Homo sapiens

<400> 209

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caaaagcatt	tgttatgaaa	tgagtagtaa	tattgggtgg	ttgatttggt	cttagcagac	120
ttggcttcat	wtgggtcttg	agataaaatg	gccagcataa	atgctgttta	tattcacgtt	180
ttcctaggtg	tgtgtgtgca	ggccacagca	gcatgccctt	gggtgagtca	gtgccgaaas	240
gggtctgttc	cttcttgagc	ctgcctgcag	ggatgggtctc	cttttaaagc	aggttgtgtg	300
cagcattcag	tacactgaag	gtaagctaaa	ccatcaacat	ctctgggtgt	ttaagatgtt	360
attttatttg	aacaactgac	aaatgagggg	tgttagcttt	gtggcagaat	tccttgcagt	420
tgtgataact	gatcttgttt	tatttttttg	cattgcaact	gtggcatagt	tacaatttct	480
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<210> 210

<211> 2110

<212> DNA

<213> Homo sapiens

<220>

<221> SITE
 <222> (750)
 <223> n equals a,t,g, or c

<400> 210
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 gccggcgcggt gctgccgctc gtggcgggcca gaggagagga gaggcagcag catggcgagt 120
 gtccctgtccc gacgccttgg aaagcgggtcc ctccctgggag cccgggtgtt gggacccagt 180
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 aaaagaagga acagctcgtt ctgcttcctg ctgagtcggg gaattctctg ctttctaacc 2040
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 aaaaactcga 2110

<210> 211
 <211> 938
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (200)
 <223> n equals a,t,g, or c

<400> 211
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 cttaacagat gtctgttccc tcttctctta cttaaatat ctttactttc accatcacct 180
 cccagtgccg aacacctgan ctctgtgttt tgtggatgga tccctgggttg ccaagttcct 240

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<213> Homo sapiens

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<220>

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<222> (1017)

<223> n equals a,t,g, or c

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<222> (1408)

<223> n equals a,t,g, or c

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<221> SITE

<222> (1423)

<223> n equals a,t,g, or c

<400> 212

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<223> n equals a,t,g, or c
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<220>
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<222> (1485)

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<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (1492)

<223> n equals a,t,g, or c

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<211> 1308

<212> DNA

<213> Homo sapiens

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<221> SITE

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<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (9)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (1241)

<223> n equals a,t,g, or c

<220>

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<222> (1247)

<223> n equals a,t,g, or c

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<210> 216

<211> 1705

<212> DNA

<213> Homo sapiens

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<222> (1281)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (1704)

<223> n equals a,t,g, or c

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 <212> DNA
 <213> Homo sapiens

<400> 217						
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 <212> DNA
 <213> Homo sapiens

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 <212> DNA
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<400> 219						
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<400> 220						
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<210> 221
<211> 2031
<212> DNA
<213> Homo sapiens

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<400> 221
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<210> 222
 <211> 968
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (241)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (954)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (961)
 <223> n equals a,t,g, or c

<400> 222	
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tctgtggggc	ctttttactg
aatagaagtt	ttgcatcgto
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cacaaaaatga	aggccacccc
tagacattgc	tatgacagat
catttgcata	cggaaaggaa
tttttgagat	tgaactttat
aaatagacat	ggacaatgac
gggaatttga	aaaagatgag
ataatttttaa	gaagaatgac
tataccaaca	cgatgaacta
ctgtacttta	tgtatwaaac
tatgagaaga	tattttgatc
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natatgat	

<210> 223
 <211> 1404
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (1351)

<223> n equals a,t,g, or c

<400> 223

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tgccttgcc	tgcagccctg	ttcacactac	cctgtcaaag	tcagatgcca	aaaaagccgc	180
ctcaaagacg	ctgctggaga	agagtcagtt	ttcagataag	ccggtgcaag	accgggggtt	240
ggtggtgacg	gacctcaaag	ctgagagtgt	ggttcttgag	catcgcagct	actgctcggc	300
aaaggcccgg	gacagacact	ttgctgggga	tgtactgggc	tatgtcactc	catggaacag	360
ccatggctac	gatgtcacca	aggtcttttg	gagcaagttc	acacagatct	caccctgtctg	420
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ccaaggggtg	atgcgagctg	tcaggaagca	tgccaagggc	ctgcacatag	tgcctcggct	540
cctgtttgag	gactggactt	acgatgattt	ccggaacgtc	ttagacagtg	aggatgagat	600
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ccctaagtca	cccctgtcct	gggttcgagc	ctgcgtccag	gtcctggacc	cgaagtccaa	960
gtggcggaagc	aaaatcctcc	tggggctcaa	cttctatggt	atggactacg	cgacctccaa	1020
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aaaaaaaaaa	aaaaaaaaaa	aaaa				1404

<210> 224

<211> 707

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (1)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (705)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (706)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (707)

<223> n equals a,t,g, or c

<400> 224

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catggagcgg	atcaaggagg	accggcccat	caccatcaag	gacgacaagg	gcaacctcaa	180

ccgctgcac	gcagacgtgg	tctcgtcttt	catcacgggc	atggacaagc	tgcgcctgga	240
gatccgcgcc	atggatgaga	tccagcccga	cctgcgagag	ctgatggaga	ccatgcaccg	300
catgagccac	ctcccaccgc	actttgaggg	cgcgcagacg	gtcagccagt	ggctgcagac	360
cctgagcggc	atgtcggcgt	cagatgagct	ggacgactca	caggtgcgtc	agatgctgtt	420
cgacctggag	tcagcctaca	acgccttcaa	ccgcttcctg	catgcctgag	cccggggcac	480
tagcccttgc	acagaagggc	agagtctgag	gcgatggctc	ctgggtccct	gtccgccaca	540
caggccgtgg	tcatccacac	aactcactgt	ctgcagctgc	ctgtctgggt	tctgtctttg	600
gtgtcagaac	ttttggggccg	ggccctcccc	cacaataaag	atgctctccg	accttcaaaa	660
aaaaaaaaa	aaaaactcrg	ggggggcccg	gtcccaatcc	ccccnnn		707

<210> 225

<211> 1384

<212> DNA

<213> Homo sapiens

<400> 225

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tccagggaga	ggagcggaaa	cagaagaggg	gcagaagacc	ggggcacttg	tgggttgagc	180
agccctcag	ccatgttggg	agccaagcca	cactggctac	caggtccctt	acacagtccc	240
gggtgcctt	tggttctggt	gcttctggcc	ctggggggccg	ggtggggcca	ggaggggtca	300
gagcccgctc	tgttgaggag	ggagtgcctg	gtgggtctgt	agcctggccg	agctgctgca	360
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gtccgaagcc	amcaccatga	gccagcaggg	gaaaccggca	atggcaccak	tggggccatc	480
tacttcgacc	aggtcctggt	gaacgagggc	ggtggctttg	accgggcctc	tggctccttc	540
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caaaactgtc	aggtgagcct	gatgctgaac	acgtggcctg	tcattctcag	ctttgccaat	660
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cctgccagta	tgtctaaacc	tccctctctc	tttcttatcc	cgctgtccca	ttggcccagc	1320
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toga						1384

<210> 226

<211> 774

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (773)

<223> n equals a,t,g, or c

<400> 226

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ccttatccca	tttaattaat	ttctctgaca	attcaattat	ttctgttat	taagtgtgcc	180
actgctctct	gttgtgtctc	actttcttga	taaataattg	ctatgctctt	actccagtca	240

ttcgatgttg	ctgagattta	catatgactc	ttgtcaacat	ctcatctttt	gacccaatct	300
tattcattta	ataagaggtc	tcattcattt	gcatggaaaa	atgctcattg	tataattgcaa	360
agtgaataa	acgagttgca	aaacagtgtg	tacatatatg	tgtgatatata	tgtacacttt	420
atgtgtacat	ttctatgtga	cataatgcaa	aggaaagtgt	ctgattttat	tatacaccaa	480
aggttaacag	tgaatctctg	tgtgatctct	ttttttttct	ttttgcctat	ctgcatcttc	540
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ctaaagtaga	cagtaaaaga	acttgtcaat	cgcttttgga	aggcaatgaa	acacttaata	660
aactctcaat	aacagaagcg	taaaaatgaa	atgtaaacct	ccaattacct	ctggatctct	720
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<210> 227
 <211> 865
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (344)
 <223> n equals a,t,g, or c

<400> 227						
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agctttctct	gtctctctcc	gacagagctg	acgtgtcctg	ggttccaccg	ggagcgggca	180
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gcggtgtggg	gagttggggc	gtgtgggtgc	agtcccgga	gttcttgagg	gggtcgggcc	300
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tctccgtccc	ttctcccatc	ccctccagtg	gtgggtaegg	gcacctcgct	ggcgctctcc	420
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<210> 228
 <211> 1102
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (462)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (469)
 <223> n equals a,t,g, or c

<400> 228						
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cagaggggtg	ggacatatta	cgggcgcgga	tcctctcttg	agtgagatga	ctctccggag	180

agatttagtc	gtcacccctcg	cgtgtgaggg	tgcgtcacac	cccaggggatg	tgtctatcaa	240
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aatacttcca	tgctgtattt	gtggscatca	rtttccccgg	gnacaggcnt	gcacattttg	480
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ctctctactt	tctacagtga	attctctgat	gtgtctggga	gtttgggggt	ctgggtaaga	660
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<210> 229
 <211> 744
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (303)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (392)
 <223> n equals a,t,g, or c

<400> 229						
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gccagggcct	gtcacatctt	tcctctggcc	attgtcctgg	tcctttgtaag	cccagaatct	120
ccccctccct	gaagggaggc	cagcacccca	ggagggcagc	aggtgtgctg	tgaggggttg	180
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<210> 230
 <211> 1935
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (1)
 <223> n equals a,t,g, or c

10004360.120701

<220>
 <221> SITE
 <222> (1921)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (1927)
 <223> n equals a,t,g, or c

<400> 230

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gctagctgtc	tgtctggaga	ggagtcctat	tgggtgatgc	agttcacagc	agcagtagaa	420
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tgttaatcag	acaaacagat	ctctgagaag	gtgcatcagc	tgctttgaag	gctgaagatt	540
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tctaagtata	aaaaacaaaa	caaaaatctc	ttaggaaatg	tctagacctc	cattcttgga	780
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gcgttagtg	cattatctat	aaatacactc	acctaattg	aaagctaaga	aggaatgta	960
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taagctgagc	ttaaaagcaa	aaaaacaaaa	agtacacaga	aatatttatt	aaaatgtaat	1140
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tgaacacgga	ggctctctgt	tgtctgtctc	tgagatcttt	gtgtctggga	atgcctaaag	1920
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<210> 231
 <211> 1035
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (1032)
 <223> n equals a,t,g, or c

<220>

<221> SITE
 <222> (1034)
 <223> n equals a,t,g, or c

<400> 231
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 caagagccttg aagaacgccg cagttgcgtg gaagcctgca gagcaaggga agcagcgttt 180
 gatgccgaat atcagcgaaa tcttcacagg gtggacctcg atattttaac ctttacgata 240
 gctctgactg cctctgaagt tatcaaccct ctgatagaag aacttggttg cgataagttt 300
 atcaatagag aatagttagg tgggtgacact acttcaagag aacctctgca ttccagtcac 360
 accaatcctg caacttgatt ttcagaagtc aagagtatat cgcgataaga cagtgcacag 420
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 aaaaaatgtc gaaagcatta taactgtaac gttcttttgag tttgtgattg atccacattt 540
 ttccccctgc attatggaaa atgtctctca gcattgcttt attacaaagt aaaggatggg 600
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 tttttaattt ttaaagtatt tttggtatta aaaaatcyat tcacaagcca aaaaatwtwt 960
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 caagggggtc cngnt 1035

<210> 232
 <211> 760
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (438)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (741)
 <223> n equals a,t,g, or c

<400> 232
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 gtttaaacag gtgccaccac aagggatgtc gtccttactc tctgcgggtc ttcaagcatc 120
 cctttgtggg aaargtctct gggcaagcac gtggtatttg gtctgctgct tgcttccctt 180
 tttccaccag ggaagtgttg atcataagtc aaaacaacag tatattccaa atctcaaaag 240
 ctattgtggc ctgagcacia ttgaaatcta gcagagtttt tccatgttag ctttagagta 300
 actctctgct tctctgtgca cttacaattc aggttctgcc tttgcctaag agcatgagca 360
 gaagagtcc catgtgacgc ttagttctat tgcagtcctg ggtgaaacta ttttaagcwat 420
 ggggtgctk ctcccanwt cctccctaac aattcggttg gtggacttct catctaaaag 480
 gttagtggct tttgcttggg atcagtgtc tctattgatg tttctgtgg tctccagaca 540
 cattcctggt gcattaagac ttgaaagact tgtagatgtg tgatgttcag gcacaggatg 600
 ctgaaagcta tgttactatt cttagtttgt aaattgtcct tttgatacca tcatcttgtt 660
 ttttttttgt aggtataaat aaaaacactg ttgacaataa aaaaaaaaaa aaaaaaaaaa 720
 aaaaaaaaaa aaaaaaaaaa naaaaaaaaa aaaaaaaaaa 760

<210> 233
 <211> 2057

<212> DNA

<213> Homo sapiens

<400> 233

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gtgtgagagg	aggagcaaaa	aagctcacc	taaaacattt	atttcaagga	gaaaagaaaa	180
agggggggcg	caaaaatggc	tggggcaatt	atagaaaaaca	tgagcaccaa	gaagctgtgc	240
attgttgggtg	ggattctgct	cgtgttccaa	atcatcgcct	ttctgggtggg	aggcttgatt	300
gctccagggc	ccacaacggc	agtgtcctac	atgtcgggtga	aatgtgtgga	tgccccgtaag	360
aaccatcaca	agacaaaatg	gttcgtgcct	tggggaccca	atcattgtga	caagatccga	420
gacattgaag	aggcaattcc	aagggaatt	gaagccaatg	acatcgtgtt	ttctgttcac	480
attccccctcc	cccacatgga	gatgagtcct	tggttccaat	tcatgmtgtt	tatcctgcag	540
ctggacattg	ccttcaagct	aaacaaccaa	atcagrgaaa	atgcagaagt	ctccatggac	600
gtttccctgg	cttaccgtga	tgacgcgttt	gctgagtggga	ctgaaatggc	ccatgaaaga	660
gtaccacgga	aactcaaattg	caccttcaca	tctcccaaga	ctccagagca	tggaggggccg	720
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gagataaagg	atatccgggt	ggtagggatc	cacaaaaatg	gaggcttcac	caagggtgtg	900
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tacactcatt	tagcctttrt	ctcaaaatgt	taaatataag	gaaaaaagcg	tcaacaataa	1980
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<210> 234

<211> 2084

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (775)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (2080)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (2083)

<223> n equals a,t,g, or c

<400> 234

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ccctcctagg	tcacactttt	cagaaaaaga	atctgcatcc	tggaaaccag	aagaaaaata	180
tgagacgggg	aatcatcgtg	tgatgtgtgt	setgcctttg	gctgagtgtg	tggagtccctg	240
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ctcacttgcg	gtttccttat	actccacccc	tttctcaacg	gtcctttttt	aaagcacatc	2040
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<210> 235

<211> 2143

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (2058)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (2080)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (2115)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (2132)
 <223> n equals a,t,g, or c

<400> 235

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tctggcgctt	gctgtttctcc	atgatcctct	ttgtcatcat	ggttctctgg	cgaccatctg	300
caaacaacca	gaggtttgcc	ttttcaccat	tgtctgagga	agaggaggag	gatgaacaaa	360
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ccaatggaaa	tagtaaagtt	aacaaagcac	aggaagatga	tttgaagtgg	gtagaagaga	480
atgttccctt	ttctgtgaca	gatgtagcac	ttccagccct	tctggattca	gatgaggaa	540
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<210> 236
 <211> 1133
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (528)
 <223> n equals a,t,g, or c

<220>

<221> SITE
 <222> (552)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (1133)
 <223> n equals a,t,g, or c

<400> 236
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 tacattcaat aaatactgtt taacccaaaa aaaaaaaaaa aaaagaaaga agn 1133

<210> 237
 <211> 1025
 <212> DNA
 <213> Homo sapiens

<400> 237
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 aaaaa 1025

<210> 238

<211> 1400
 <212> DNA
 <213> Homo sapiens

<400> 238

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 <211> 1250
 <212> DNA
 <213> Homo sapiens

<400> 239

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 <211> 1307
 <212> DNA
 <213> Homo sapiens

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 <222> (651)
 <223> n equals a,t,g, or c

<220>
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 <222> (1064)
 <223> n equals a,t,g, or c

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<210> 241
 <211> 888
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (830)
 <223> n equals a,t,g, or c

<400> 241
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<210> 242
 <211> 1811
 <212> DNA
 <213> Homo sapiens

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 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (4)
 <223> n equals a,t,g, or c

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 <222> (16)
 <223> n equals a,t,g, or c

<220>
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 <222> (1810)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (1811)
 <223> n equals a,t,g, or c

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<210> 243

<211> 2271

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (553)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (2267)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (2269)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (2271)

<223> n equals a,t,g, or c

<400> 243

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 <212> DNA
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 <223> n equals a,t,g, or c

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 <223> n equals a,t,g, or c

<220>
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 <223> n equals a,t,g, or c

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 <212> DNA
 <213> Homo sapiens

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 <223> n equals a,t,g, or c

<220>
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 <223> n equals a,t,g, or c

<400> 245

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gccagcgtgg	cgngcctggc	ggctcccggg	tggtagagaga	gcgggtccggg	aacgatgaag	180
gcctcgcagt	gctgctgctg	tctcagccac	ctcttggctt	ccgtcctcct	cctgctgttg	240
ctgcctgaac	taagcgggyc	cctggmagtc	ctgctgcagg	cagccgaggc	cgcgccaggc	300
yttgggcctc	ctgaccctag	accaggacat	taccgccgct	gccaccgggc	cctwacccct	360
gcccagcagc	cgggcccgtg	tctggctgaa	gctgcggggg	ccgcgggggt	ccgagggagg	420
caatggcagc	aaccctgtgg	ccgggcttga	gacggacgat	cacggaggga	aggccggggga	480
argctcgggtg	ggtggcgggc	ttgctgtgag	ccccaaccct	ggcgacaagc	ccatgaccca	540
gcgggcccctg	accgtgttga	tgggtgtgag	cggcgcggtg	ctggtgtact	tcgtgggtcag	600
gacggtcagg	atgagaagaa	gaaaccgaaa	gactaggaga	tatggagttt	tggacactaa	660
catagaaaat	atggaattga	cacctttaga	acaggatgat	gaggatgatg	acaacacgtt	720
gtttgatgcc	aatcatccct	gaagataaga	atgtgccctt	tgatgaaaga	actttatctt	780
tctacaatga	agagtggaa	ttctatgttt	aaggaataag	aagccactat	atcaatgttg	840
gggggggtatt	taagttacat	atattnnaac	aacctttaat	ttgctgttgc	aataaatacc	900
gtatccctttt	attatatctt	tatatgtata	gaagtactct	gttaatgggc	tcagagatgt	960
tggggataaa	gtatactgta	ataatttctc	tgtttgaaaa	ttactataaa	acggtgtttt	1020
ctgrtcgggtt	tttgtttcct	gcttaccata	tgattgtaaa	ttgttttatg	tattaatcag	1080
ttaatgctaa	ttatttttgc	tgatgtcata	tgtaaagag	ctataaattc	caacaaccaa	1140
ctggtgtgta	aaaataattt	aaaatytcct	ttactgaaag	gtatttccca	tttttgtggg	1200
gaaaagaagc	caaatttatt	actttgtgtt	ggggttttta	aaatattaag	aaatgtctaa	1260
gttattgttt	gcaaaaacaat	aaatatgatt	ctaaattctc	ttaaaaaaaa	aaaaaaaaaac	1320
cccggggggg	ggccccgn					1338

<210> 246

<211> 654

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (651)

<223> n equals a,t,g, or c

<400> 246

gaattcggca	cgaggcagct	tgtgctttta	aggaggtgtt	caaagcatgt	ctgagcagag	60
acttttgggc	tctgttttaa	ttataacttt	aaaataattc	atatttaaaa	tatcaratgt	120
ttccataaag	aggaggatgt	ttaaatgcct	ccagactaca	ttccttttta	ttsccttgatt	180
ttacctggga	gtccaaagtt	caattcccat	aaagcaagcg	ttttatttgt	cactttcaat	240
atacatccga	ttgccatgct	taagatgcaa	tatgggctgc	ggaaataggt	taaccacag	300
gtccccagg	cccagtgtag	aagggtgagag	attcgtgtaa	aatgattcaa	ataaaaaggaa	360
gaccctggcc	gggtgccgta	rotcacgcct	gtaatccag	cactttggga	ggccgaagcg	420
agtggatgac	gaggttagga	gttgagagac	agcctggcca	acatcgtgaa	accccgctctc	480
tactaaaaat	acaaaaatta	gcccggcatg	gtggcaggca	cctgtaatcc	tagctagtgtg	540
ggaggctgag	gcaggagaat	cgtttgaatc	tgggagtttg	aggttgtcag	tgagctgaga	600
tcgcgccaca	gcactccagc	ctgggtgaca	gggtgagact	ctgtctcaaa	naga	654

<210> 247

<211> 1146

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (20)

$\langle 222 \rangle \quad (1288)$

<223> n equals a,t,g, or c

<400> 248

ataaactgaa	ataggtcatg	caaataataa	atattatattt	taaattatatt	gtcataagaa	60
acgatgggtg	ccatattttg	ctttaataat	ggaaaaaatg	tggtagcat	tctktggaag	120
gtgggtcatca	gatagtagac	attttctagg	atttattttct	acctgcatat	gtggaaatgt	180
gtactacttt	agatttatwt	aatggcagct	aactcagagg	catcaaaatg	tgctaattggt	240
gtaatatggc	ctttgtcttg	ctgtyctgtt	ttgtargcct	tcaatcaagc	argggcaggg	300
ccgtacagtg	aacttgtcct	ttgscagacg	ccagcgtctg	cccccgaccc	cgtctccact	360
ctctgtgtcc	tggaggagga	gccccctgat	gcytaccctg	attcaccttc	tgcgtgcctt	420
gtactgaact	gggaagagcc	gtgcaataac	ggatctgaaa	tccttgotta	caccattgat	480
ctaggagaca	ctagcattac	cgtgggcaac	accaccatgc	atgttatgaa	agatctcctt	540
ccagaaaacca	cctaccggtg	agtgaagggt	agtagaaatc	tgcatcagca	catcagcact	600
tggggatcta	agtaaaccct	tcggggaaaa	tgaccaagtg	gatgtcatct	cccagctgtt	660
tctaagagcc	cagatgtcca	gagtattgtc	tcaccttgat	ccctcaggcc	agaagacctg	720
tgaaaaagcc	acactgggtc	agggactcac	tggacgggtt	tgtgtccact	ytacntgca	780
ccgtctctac	cccagagtgg	actcaratcc	tcaagtcatc	ctctgaacat	tgrrgtcaga	840
aattataaaa	gggctttggc	aatatgttag	ccaagaatt	tggcttcttc	cagaaattgt	900
gccgacntta	acagtggctt	aaatgatggt	aaaactttta	agattttctaa	aaggrrtgga	960
ttggagatac	gttgactttt	attaaacmac	ctatagttgt	ttaatgaytt	ctaaaaaat	1020
atctggagct	caggggttca	actgagggaa	cacatgttga	gratcattgt	ttactaatta	1080
aatgccaggt	aaccggttga	aattatcaaa	aacatcttcc	acgtaccaga	aagcacctca	1140
gaggatagtt	ctgttatgga	gaagatgaaa	tggtttagta	gtgtaggaac	tatggaaagg	1200
tgagcttaga	tttgatagt	aaaacctcaa	gacctattt	aaaaagtatt	ttatgaatgc	1260
agcataaata	atttaattca	gtgttaanat	gccaaggcta	gtatattgag	ctgaatgtga	1320
aaagaaactc	acattgggag	aatgccacct	tttccttata	agatagcttt	gaagatacca	1380
tttttagacag	atggaaattg	aatagcttta	gaaaaggcaa	atgtttgatc	ttggggaaaa	1440
aaa						1443

<210> 249

<211> 31

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (31)

<223> Xaa equals stop translation

<400> 249

Met	Leu	Ser	Thr	Gly	Ile	Glu	Val	Ala	Arg	Pro	Pro	Ala	Thr	Leu	Leu
1					5				10					15	

Gly	Leu	Met	Phe	Val	Leu	Thr	Gly	Met	Pro	Arg	Gly	Leu	Arg	Xaa
				20				25					30	

<210> 250

<211> 116

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (36)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (78)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (116)
 <223> Xaa equals stop translation

<400> 250
 Met Asn Val Val Ile Val Ile Ile Leu Phe Ser Phe Asp Ser Val Gly
 1 5 10 15
 Thr Met Phe Ser Cys Asn Arg Ile Pro Lys Ile Thr Val Leu Asn Lys
 20 25 30
 Leu Lys Phe Xaa Cys Glu Val Leu Leu Arg Ile Gln Thr Ile Gln Gly
 35 40 45
 Phe Tyr Arg Cys Thr Arg Ile Ser Arg Tyr Lys Gly Ile Phe Pro Asp
 50 55 60
 Phe Cys Gln Ser Gln Cys Met Gly Cys Asn Pro Glu Ser Xaa Met Ala
 65 70 75 80
 Val Pro Ala Leu Val Thr Pro Ile Leu Ala His Arg Lys Lys Glu Lys
 85 90 95
 Gly Met Cys Leu Phe Thr Leu Ile Ile Ala Pro Thr Arg Cys Thr His
 100 105 110
 Tyr Phe Cys Xaa
 115

<210> 251
 <211> 103
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (103)
 <223> Xaa equals stop translation

<400> 251
 Met Ser Ser Ala Lys Ile Val Arg Gln Arg Gly Ala Val Pro Thr Tyr
 1 5 10 15
 Tyr Thr Thr Glu Ala Gly Glu Ile Ile Phe Leu Val Leu Asn Trp Ser
 20 25 30
 Leu Ser Ile Leu His Ile Val Asp Val Leu Cys Ser Lys Pro Glu Lys
 35 40 45
 Ser Val Thr Glu Asp Ala Ala Ser Gly Leu Ser Gln Arg Met Thr Ala
 50 55 60

10004650-1000701

Leu Val Trp Arg Lys Gly Pro Asp Gly Gly Ser Arg Lys Pro Ile Leu
65 70 75 80

Leu Leu Phe Phe Phe Leu Pro Leu Ile Leu Cys Phe His Ser Phe Ile
85 90 95

His Ser Ser Asn Ile Cys Xaa
100

<210> 252

<211> 42

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (7)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (13)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (22)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 252

Met Ile Leu Phe Pro Gln Xaa Ala Leu Arg Leu Gly Xaa Trp Pro Arg
1 5 10 15

Thr Trp Ser Ile Leu Xaa Lys Tyr Ser Val Asn Phe Phe Ser Ala Tyr
20 25 30

Ser Pro Met Gly Ala Val Gly Thr Glu Phe
35 40

<210> 253

<211> 37

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (32)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (37)

<223> Xaa equals stop translation

<400> 253

10004650-120701

Met Ile Ile Leu Leu Leu Phe Met Leu Leu Asn Asn Val Val Leu Val
 1 5 10 15

Gln Glu Asp Asn Cys Gln Arg Lys Asn Thr Val Gln Glu Arg Arg Xaa
 20 25 30

Trp Ser Gln Trp Xaa
 35

<210> 254
 <211> 128
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (4)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (12)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (128)
 <223> Xaa equals stop translation

<400> 254
 Met Ala Ala Xaa Pro Pro Gly Cys Thr Pro Pro Xaa Leu Leu Asp Ile
 1 5 10 15

Ser Trp Leu Thr Glu Ser Leu Gly Ala Gly Gln Pro Val Pro Val Glu
 20 25 30

Cys Arg His Arg Leu Glu Val Ala Gly Pro Arg Lys Gly Pro Leu Ser
 35 40 45

Pro Ala Trp Met Pro Ala Tyr Ala Cys Gln Arg Pro Thr Pro Leu Thr
 50 55 60

His His Asn Thr Gly Leu Ser Glu Leu Leu Glu His Gly Val Cys Glu
 65 70 75 80

Glu Val Glu Arg Val Arg Arg Ser Glu Arg Tyr Gln Thr Met Lys Val
 85 90 95

Arg Arg Ala Gly Leu Gly Pro Thr Pro Gly Met Ser Cys Pro Gly Asn
 100 105 110

Asp Asn Thr Val His Thr Met His Gly Glu Ala Asn Arg Gly Ser Xaa
 115 120 125

10004350-120700

<210> 255
 <211> 67
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (8)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (67)
 <223> Xaa equals stop translation

<400> 255
 Met Ser Ile Leu Cys Cys Pro Xaa Leu Cys Leu Phe Phe Ser Phe Cys
 1 5 10 15
 Ile Ser Ser Gly Ser Cys Pro Phe Ser His Val Ser Gln Leu Ser Phe
 20 25 30
 Ile Ala Thr Phe Ser Gln Ser Ser Pro Val Leu Leu Val Pro Ala Tyr
 35 40 45
 Asn Thr Tyr Leu Ser Phe Leu Ala Phe Leu Asp Cys Ala Ser Leu Thr
 50 55 60
 Ser Thr Xaa
 65

<210> 256
 <211> 69
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (69)
 <223> Xaa equals stop translation

<400> 256
 Met Ser Thr Phe Gln Leu Leu Leu Leu Ile Leu Ala Gln Ser Thr Tyr
 1 5 10 15
 Lys Ile Lys Ser Lys Pro Leu His Met Thr Asn His Thr Leu Leu Asn
 20 25 30
 Ser Pro Gly Leu Asn Pro Ser Ser Pro Thr Leu Asn Phe Lys Thr Gln
 35 40 45
 Gln His Glu Ser Val Ser Tyr Ala Cys Cys His Met Arg Ser Leu His
 50 55 60
 His Ala Phe Ala Xaa
 65

10004860.120701

<210> 257
 <211> 44
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (36)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (37)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (44)
 <223> Xaa equals stop translation

<400> 257
 Met Val Ser Val Val Leu Ile Phe Ser Phe Leu Ser Leu Thr Ile Ser
 1 5 10 15

Thr Thr Ala Ser Ala Tyr Asn Gly Asn Asp Thr Gln Gly Trp Asn Asp
 20 25 30

Lys Phe His Xaa Xaa Ser Val Lys Thr Gln Thr Xaa
 35 40

<210> 258
 <211> 51
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (51)
 <223> Xaa equals stop translation

<400> 258
 Met Ile Ser Asp Ala Gly Ala Gly Phe Gly Val Phe Leu Leu Val Pro
 1 5 10 15

Arg Ala Gly His Cys Trp Gly Ala Gly Lys Pro Leu Pro Ser Cys Pro
 20 25 30

Ser Val Ala Ser Ile Pro Ser Trp Val Leu Pro Ser Phe Leu Glu Arg
 35 40 45

Gly Arg Xaa
 50

<210> 259

1000450-12001

<211> 43
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (43)
 <223> Xaa equals stop translation

<400> 259
 Met Val Gln Thr Ile Gln Asp Phe Leu Ser Leu Phe Ser Thr Pro Ile
 1 5 10 15

Phe Leu Leu Leu Leu Met Phe Glu Thr Leu Ser Leu Ala Pro Ala Trp
 20 25 30

Leu Lys Pro Leu Arg Val Thr Ser His Ser Xaa
 35 40

<210> 260
 <211> 61
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (61)
 <223> Xaa equals stop translation

<400> 260
 Met Ile Leu Met Pro Gly Leu Gly Thr Ser Arg Gln Arg Ser Val Pro
 1 5 10 15

Phe Val Pro Thr Leu Asn Ala Ser Thr Pro Gly Ala Met Thr Gly Pro
 20 25 30

Thr Ala Thr Leu Thr Ser Cys Gln Trp Thr Thr Ala Cys Arg Val Ser
 35 40 45

Trp Ala Asn Gly Trp Thr Ser Leu Arg Thr Phe Arg Xaa
 50 55 60

<210> 261
 <211> 36
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (36)
 <223> Xaa equals stop translation

<400> 261
 Met Ser His His Ala Gln Pro Arg Phe Leu Leu Ile Thr Met Leu Leu
 1 5 10 15

1000430.120701

Gln Glu Ala Lys Pro Val Ser Asn Ile Pro His Leu Leu Glu Ser Trp
 20 25 30

Tyr Phe Gly Xaa
 35

<210> 262
 <211> 38
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (38)
 <223> Xaa equals stop translation

<400> 262
 Met Asn Ser Leu Phe Trp Met Ile Leu Leu Pro Val Ser Gln Asp Gln
 1 5 10 15

Val Val Glu Gly Leu Gln Gly Gly Phe Ser Gln Ile His Met Arg Ile
 20 25 30

Leu Arg Lys His Leu Xaa
 35

<210> 263
 <211> 211
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (5)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (211)
 <223> Xaa equals stop translation

<400> 263
 Met Ser Arg Ser Xaa Asp Val Thr Asn Thr Thr Phe Leu Leu Met Ala
 1 5 10 15

Ala Ser Ile Tyr Leu His Asp Gln Asn Pro Asp Ala Ala Leu Arg Ala
 20 25 30

Leu His Gln Gly Asp Ser Leu Glu Cys Thr Ala Met Thr Val Gln Ile
 35 40 45

Leu Leu Lys Leu Asp Arg Leu Asp Leu Ala Arg Lys Glu Leu Lys Arg
 50 55 60

Met Gln Asp Leu Asp Glu Asp Ala Thr Leu Thr Gln Leu Ala Thr Ala
 65 70 75 80

10004550 120701

Trp Val Ser Leu Ala Thr Gly Gly Glu Lys Leu Gln Asp Ala Tyr Tyr
85 90 95

Ile Phe Gln Glu Met Ala Asp Lys Cys Ser Pro Thr Leu Leu Leu Leu
100 105 110

Asn Gly Gln Ala Ala Cys His Met Ala Gln Gly Arg Trp Glu Ala Ala
115 120 125

Glu Gly Leu Leu Gln Glu Ala Leu Asp Lys Asp Ser Gly Tyr Pro Glu
130 135 140

Thr Leu Val Asn Leu Ile Val Leu Ser Gln His Leu Gly Lys Pro Pro
145 150 155 160

Glu Val Thr Asn Arg Tyr Leu Ser Gln Leu Lys Asp Ala His Arg Ser
165 170 175

His Pro Phe Ile Lys Glu Tyr Gln Ala Lys Glu Asn Asp Phe Asp Arg
180 185 190

Leu Val Leu Gln Tyr Ala Pro Ser Ala Glu Ala Gly Pro Glu Leu Ser
195 200 205

Gly Pro Xaa
210

<210> 264

<211> 548

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (548)

<223> Xaa equals stop translation

<400> 264

Met Glu Asp Ser Glu Ala Leu Gly Phe Glu His Met Gly Leu Asp Pro
1 5 10 15

Arg Leu Leu Gln Ala Val Thr Asp Leu Gly Trp Ser Arg Pro Thr Leu
20 25 30

Ile Gln Glu Lys Ala Ile Pro Leu Ala Leu Glu Gly Lys Asp Leu Leu
35 40 45

Ala Arg Ala Arg Thr Gly Ser Gly Lys Thr Ala Ala Tyr Ala Ile Pro
50 55 60

Met Leu Gln Leu Leu Leu His Arg Lys Ala Thr Gly Pro Val Val Glu
65 70 75 80

Gln Ala Val Arg Gly Leu Val Leu Val Pro Thr Lys Glu Leu Ala Arg
85 90 95

10004560.120701

Gln Ala Gln Ser Met Ile Gln Gln Leu Ala Thr Tyr Cys Ala Arg Asp
 100 105 110
 Val Arg Val Ala Asn Val Ser Ala Ala Glu Asp Ser Val Ser Gln Arg
 115 120 125
 Ala Val Leu Met Glu Lys Pro Asp Val Val Val Gly Thr Pro Ser Arg
 130 135 140
 Ile Leu Ser His Leu Gln Gln Asp Ser Leu Lys Leu Arg Asp Ser Leu
 145 150 155 160
 Glu Leu Leu Val Val Asp Glu Ala Asp Leu Leu Phe Ser Phe Gly Phe
 165 170 175
 Glu Glu Glu Leu Lys Ser Leu Leu Cys His Leu Pro Arg Ile Tyr Gln
 180 185 190
 Ala Phe Leu Met Ser Ala Thr Phe Asn Glu Asp Val Gln Ala Leu Lys
 195 200 205
 Glu Leu Ile Leu His Asn Pro Val Thr Leu Lys Leu Gln Glu Ser Gln
 210 215 220
 Leu Pro Gly Pro Asp Gln Leu Gln Gln Phe Gln Val Val Cys Glu Thr
 225 230 235 240
 Glu Glu Asp Lys Phe Leu Leu Leu Tyr Ala Leu Leu Lys Leu Ser Leu
 245 250 255
 Ile Arg Gly Lys Ser Leu Leu Phe Val Asn Thr Leu Glu Arg Ser Tyr
 260 265 270
 Arg Leu Arg Leu Phe Leu Glu Gln Phe Ser Ile Pro Thr Cys Val Leu
 275 280 285
 Asn Gly Glu Leu Pro Leu Arg Ser Arg Cys His Ile Ile Ser Gln Phe
 290 295 300
 Asn Gln Gly Phe Tyr Asp Cys Val Ile Ala Thr Asp Ala Glu Val Leu
 305 310 315 320
 Gly Ala Pro Val Lys Gly Lys Arg Arg Gly Arg Gly Pro Lys Gly Asp
 325 330 335
 Lys Ala Ser Asp Pro Glu Ala Gly Val Ala Arg Gly Ile Asp Phe His
 340 345 350
 His Val Ser Ala Val Leu Asn Phe Asp Leu Pro Pro Thr Pro Glu Ala
 355 360 365
 Tyr Ile His Arg Ala Gly Arg Thr Ala Arg Ala Asn Asn Pro Gly Ile
 370 375 380
 Val Leu Thr Phe Val Leu Pro Thr Glu Gln Phe His Leu Gly Lys Ile
 385 390 395 400
 Glu Glu Leu Leu Ser Gly Glu Asn Arg Gly Pro Ile Leu Leu Pro Tyr

100150 120701
 100150 120701

<400> 265

Met Thr Thr Val Pro Pro Ser Pro Arg Pro Met Ser Arg Pro Ser Glu
1 5 10 15

Arg Asn Met Arg Arg Pro Arg Gly Pro Ser Pro Leu Pro Ala Ser Pro
20 25 30

Arg Asn Ser Thr Pro Asp Glu Pro Asp Val His Phe Ser Lys Lys Phe
35 40 45

Leu Asn Val Phe Met Ser Gly Arg Ser Arg Ser Ser Ser Ala Glu Ser
50 55 60

Phe Gly Leu Phe Ser Cys Ile Ile Asn Gly Glu Glu Gln Glu Gln Thr
65 70 75 80

His Arg Ala Ile Phe Arg Phe Val Pro Arg His Glu Asp Glu Leu Glu
85 90 95

Leu Glu Val Asp Asp Pro Leu Leu Val Glu Leu Gln Ala Glu Asp Tyr
100 105 110

Trp Tyr Glu Ala Tyr Asn Met Arg Thr Gly Ala Arg Gly Val Phe Pro

115 120 125

Ala Tyr Tyr Ala Ile Glu Val Thr Lys Glu Pro Glu His Met Ala Ala
130 135 140

Leu Ala Lys Asn Ser Asp Trp Val Asp Gln Phe Arg Val Lys Phe Leu
145 150 155 160

Gly Ser Val Gln Val Pro Tyr His Lys Gly Asn Asp Val Leu Cys Ala
165 170 175

Ala Met Gln Lys Ile Ala Thr Thr Arg Arg Leu Thr Val His Phe Asn
180 185 190

Pro Pro Ser Ser Cys Val Leu Glu Ile Ser Val Arg Gly Val Lys Ile
195 200 205

Gly Val Lys Ala Asp Asp Ser Gln Glu Ala Lys Gly Asn Lys Cys Ser
210 215 220

His Phe Phe Gln Leu Lys Asn Ile Ser Phe Cys Gly Tyr His Pro Lys
225 230 235 240

Asn Asn Lys Tyr Phe Gly Phe Ile Thr Lys His Pro Ala Asp His Arg
245 250 255

Phe Ala Cys His Val Phe Val Ser Glu Asp Ser Thr Lys Ala Leu Ala
260 265 270

Glu Ser Val Gly Arg Ala Phe Gln Gln Phe Tyr Lys Gln Phe Val Glu
275 280 285

Tyr Thr Cys Pro Thr Glu Asp Ile Tyr Leu Glu
290 295

<210> 266
<211> 40
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (8)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (40)
<223> Xaa equals stop translation

<400> 266
Leu Leu Tyr Leu Leu Lys Val Xaa Val Ile Phe Val Phe Ser Ser Ser
1 5 10 15
Lys Gly Val Thr Leu Val Ser Met Asn Leu Thr Ser Phe Phe Val Ser
20 25 30

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Ser Val Leu Ala Cys Phe Ser Xaa
 35 40

<210> 267
 <211> 594
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (99)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 267
 Met Pro Ala Ser Ser Leu Glu Ser Arg Ser Phe Leu Leu Ala Lys Lys
 1 5 10 15
 Ser Gly Glu Asn Val Ala Lys Phe Ile Ile Asn Ser Tyr Pro Lys Tyr
 20 25 30
 Phe Gln Lys Asp Ile Ala Glu Pro His Ile Pro Cys Leu Met Pro Glu
 35 40 45
 Tyr Phe Glu Pro Gln Ile Lys Asp Ile Ser Glu Ala Ala Leu Lys Glu
 50 55 60
 Arg Ile Glu Leu Arg Lys Val Lys Ala Ser Val Asp Met Phe Asp Gln
 65 70 75 80
 Leu Leu Gln Ala Gly Thr Thr Val Ser Leu Glu Thr Thr Asn Ser Leu
 85 90 95
 Leu Asp Xaa Leu Cys Tyr Tyr Gly Asp Gln Glu Pro Ser Thr Asp Tyr
 100 105 110
 His Phe Gln Gln Thr Gly Gln Ser Glu Ala Leu Glu Glu Glu Asn Asp
 115 120 125
 Glu Thr Ser Arg Arg Lys Ala Gly His Gln Phe Gly Val Thr Trp Arg
 130 135 140
 Ala Lys Asn Asn Ala Glu Arg Ile Phe Ser Leu Met Pro Glu Lys Asn
 145 150 155 160
 Glu His Ser Tyr Cys Thr Met Ile Arg Gly Met Val Lys His Arg Ala
 165 170 175
 Tyr Glu Gln Ala Leu Asn Leu Tyr Thr Glu Leu Leu Asn Asn Arg Leu
 180 185 190
 His Ala Asp Val Tyr Thr Phe Asn Ala Leu Ile Glu Ala Thr Val Cys
 195 200 205
 Ala Ile Asn Glu Lys Phe Glu Glu Lys Trp Ser Lys Ile Leu Glu Leu
 210 215 220
 Leu Arg His Met Val Ala Gln Lys Val Lys Pro Asn Leu Gln Thr Phe

10004550.120701

225		230		235		240
Asn Thr Ile Leu Lys Cys Leu Arg Arg Phe His Val Phe Ala Arg Ser						
	245			250		255
Pro Ala Leu Gln Val Leu Arg Glu Met Lys Ala Ile Gly Ile Glu Pro						
	260			265		270
Ser Leu Ala Thr Tyr His His Ile Ile Arg Leu Phe Asp Gln Pro Gly						
	275			280		285
Asp Pro Leu Lys Arg Ser Ser Phe Ile Ile Tyr Asp Ile Met Asn Glu						
	290			295		300
Leu Met Gly Lys Arg Phe Ser Pro Lys Asp Pro Asp Asp Asp Lys Phe						
	305			310		315
Phe Gln Ser Ala Met Ser Ile Cys Ser Ser Leu Arg Asp Leu Glu Leu						
	325			330		335
Ala Tyr Gln Val His Gly Leu Leu Lys Thr Gly Asp Asn Trp Lys Phe						
	340			345		350
Ile Gly Pro Asp Gln His Arg Asn Phe Tyr Tyr Ser Lys Phe Phe Asp						
	355			360		365
Leu Ile Cys Leu Met Glu Gln Ile Asp Val Thr Leu Lys Trp Tyr Glu						
	370			375		380
Asp Leu Ile Pro Ser Ala Tyr Phe Pro His Ser Gln Thr Met Ile His						
	385			390		395
Leu Leu Gln Ala Leu Asp Val Ala Asn Arg Leu Glu Val Ile Pro Lys						
	405			410		415
Ile Trp Lys Asp Ser Lys Glu Tyr Gly His Thr Phe Arg Ser Asp Leu						
	420			425		430
Arg Glu Glu Ile Leu Met Leu Met Ala Arg Asp Lys His Pro Pro Glu						
	435			440		445
Leu Gln Val Ala Phe Ala Asp Cys Ala Ala Asp Ile Lys Ser Ala Tyr						
	450			455		460
Glu Ser Gln Pro Ile Arg Gln Thr Ala Gln Asp Trp Pro Ala Thr Ser						
	465			470		475
Leu Asn Cys Ile Ala Ile Leu Phe Leu Arg Ala Gly Arg Thr Gln Glu						
	485			490		495
Ala Trp Lys Met Leu Gly Leu Phe Arg Lys His Asn Lys Ile Pro Arg						
	500			505		510
Ser Glu Leu Leu Asn Glu Leu Met Asp Ser Ala Lys Val Ser Asn Ser						
	515			520		525
Pro Ser Gln Ala Ile Glu Val Val Glu Leu Ala Ser Ala Phe Ser Leu						
	530			535		540

1004850-120704

Pro Ile Cys Glu Gly Leu Thr Gln Arg Val Met Ser Asp Phe Ala Ile
545 550 555 560

Asn Gln Glu Gln Lys Glu Ala Leu Ser Asn Leu Thr Ala Leu Thr Ser
565 570 575

Asp Ser Asp Thr Asp Ser Ser Ser Asp Ser Asp Ser Asp Thr Ser Glu
580 585 590

Gly Lys

<210> 268

<211> 131

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (131)

<223> Xaa equals stop translation

<400> 268

Met Lys Leu Asn Leu Cys Ile Pro Asn Trp Ala Arg Cys Pro Leu Leu
1 5 10 15

Leu Leu Phe Pro Gln Leu Leu Pro Phe Gln Gly Glu Asp Asp Asp Pro
20 25 30

Leu Lys Ala Lys Ala Ala Asn Leu Val Glu Ala Val Pro Trp Gly Ile
35 40 45

Lys Ala Pro Ser Phe Gln Val Thr Cys Leu Val Arg Val Gln Leu Gln
50 55 60

Ser Cys Thr Pro Ser Arg Pro Ser Thr Leu Leu Ala Thr Ser Gln Ser
65 70 75 80

Pro Gly Arg Ile Ser Cys Tyr Ser Pro Leu Ser His Leu Pro Pro Val
85 90 95

Thr Thr Ser Ile Gln Pro Ser Pro Val Met Val Pro Phe Gln Tyr Gln
100 105 110

Ala Phe Leu Leu Gln Val Lys Glu Pro Ala Ala Gln Thr Leu Leu Gly
115 120 125

Gln Gln Xaa
130

<210> 269

<211> 21

<212> PRT

<213> Homo sapiens

10004350.120701

<220>
 <221> SITE
 <222> (14)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (19)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (21)
 <223> Xaa equals stop translation

<400> 269
 Met Arg Tyr His Ala Gln Leu Ile Phe Cys Ile Phe Cys Xaa Phe Val
 1 5 10 15
 Phe Val Xaa Lys Xaa
 20

<210> 270
 <211> 159
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (109)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (118)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (122)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (127)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 270
 Met Thr Gly Thr Tyr Ser Gly Gln Phe Val Met Glu Gly Phe Leu Asn
 1 5 10 15
 Leu Lys Trp Ser Arg Phe Ala Arg Val Val Leu Thr Arg Ser Ile Ala
 20 25 30
 Ile Ile Pro Thr Leu Leu Val Ala Val Phe Gln Asp Val Glu His Leu
 35 40 45

10004560.120701

Thr Gly Met Asn Asp Phe Leu Asn Val Leu Gln Ser Leu Gln Leu Pro
50 55 60

Phe Ala Leu Ile Pro Ile Leu Thr Phe Thr Ser Leu Arg Pro Val Met
65 70 75 80

Ser Asp Phe Ala Asn Gly Leu Gly Trp Arg Ile Ala Gly Gly Ile Trp
85 90 95

Ser Tyr His Leu Phe His His Met Tyr Phe Val Val Xaa Tyr Val Arg
100 105 110

Asp Leu Arg His Val Xaa Leu Tyr Val Xaa Ala Ala Val Val Xaa Arg
115 120 125

Gly Leu Ser Gly Leu Cys Val Leu Leu Gly Leu Ala Met Phe Asp Cys
130 135 140

Thr Gly His Val Leu Pro Gly Leu Trp Ala Tyr Gly Lys His Leu
145 150 155

<210> 271

<211> 219

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (219)

<223> Xaa equals stop translation

<400> 271

Met His Phe Leu Phe Arg Phe Ile Val Phe Phe Tyr Leu Trp Gly Leu
1 5 10 15

Phe Thr Ala Gln Arg Gln Lys Lys Glu Glu Ser Thr Glu Glu Val Lys
20 25 30

Ile Glu Val Leu His Arg Pro Glu Asn Cys Ser Lys Thr Ser Lys Lys
35 40 45

Gly Asp Leu Leu Asn Ala His Tyr Asp Gly Tyr Leu Ala Lys Asp Gly
50 55 60

Ser Lys Phe Tyr Cys Ser Arg Thr Gln Asn Glu Gly His Pro Lys Trp
65 70 75 80

Phe Val Leu Gly Val Gly Gln Val Ile Lys Gly Leu Asp Ile Ala Met
85 90 95

Thr Asp Met Cys Pro Gly Glu Lys Arg Lys Val Val Ile Pro Pro Ser
100 105 110

Phe Ala Tyr Gly Lys Glu Gly Tyr Ala Glu Gly Lys Ile Pro Pro Asp
115 120 125

Ala Thr Leu Ile Phe Glu Ile Glu Leu Tyr Ala Val Thr Lys Gly Pro

10004650-120701

130 135 140

Arg Ser Ile Glu Thr Phe Lys Gln Ile Asp Met Asp Asn Asp Arg Gln
145 150 155 160

Leu Ser Lys Ala Glu Ile Asn Leu Tyr Leu Gln Arg Glu Phe Glu Lys
165 170 175

Asp Glu Lys Pro Arg Asp Lys Ser Tyr Gln Asp Ala Val Leu Glu Asp
180 185 190

Ile Phe Lys Lys Asn Asp His Asp Gly Asp Gly Phe Ile Ser Pro Lys
195 200 205

Glu Tyr Asn Val Tyr Gln His Asp Glu Leu Xaa
210 215

<210> 272
<211> 50
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (41)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (48)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (50)
<223> Xaa equals stop translation

<400> 272
Met Trp Val Ile Arg Val Phe Gln Lys Thr Phe Leu Phe Phe Val Leu
1 5 10 15

Phe Trp Ser Val His Cys Ile Ser Asp Lys Phe Gly Cys Leu Trp His
20 25 30

Val Cys Met Lys Arg Glu Gly Asp Xaa Asn Cys Leu Ser Phe Ser Xaa
35 40 45

Leu Xaa
50

<210> 273
<211> 122
<212> PRT
<213> Homo sapiens

<220>

10004860-120701

Thr Ala Phe Cys Ser Leu Leu Leu Gln Ala Gln Ser Leu Leu Pro
5 10 15

Arg Thr Met Ala Ala Pro Gln Asp Ser Leu Arg Pro Gly Glu Glu Asp
20 25 30

Glu Gly Met Gln Leu Leu Gln Thr Lys Asp Ser Met Ala Lys Gly Ala
35 40 45

Arg Pro Gly Ala Xaa Arg Gly Arg Ala Arg Trp Gly Leu Ala Tyr Thr
50 55 60

Leu Leu His Asn Pro Thr Leu Gln Val Phe Arg Lys Thr Ala Leu Leu
65 70 75 80

Gly Ala Asn Gly Ala Gln Pro Xaa
85

<210> 275

<211> 26

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (26)

<223> Xaa equals stop translation

<400> 275

Met Ile Gln Val Ser Val Pro Leu Leu Thr Ile Met Ile Phe Leu Leu
1 5 10 15

Tyr Leu Gln Ile Gly Pro Gly Lys Leu Xaa
20 25

<210> 276

<211> 29

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (29)

<223> Xaa equals stop translation

<400> 276

Met Leu Leu Asp Pro Phe Ile Leu Leu Phe Cys Leu Phe Ser Thr Ala
1 5 10 15

Ala Gln Ser Cys Leu Glu Phe Ile Tyr Ile Gln Phe Xaa
20 25

<210> 277

<211> 44

<212> PRT

<213> Homo sapiens

10004550-150701

<220>
 <221> SITE
 <222> (14)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (44)
 <223> Xaa equals stop translation

<400> 277
 Met Lys Phe Leu Ser Ile Leu Leu Asp Asp Asn Asn Phe Xaa Leu Met
 1 5 10 15

Leu Met Leu Ala Pro Phe Gly Cys Leu Ala Phe Glu Arg Ser Met Lys
 20 25 30

Met Arg Asn Gly Ala Leu Gly Leu Glu Glu Val Xaa
 35 40

<210> 278
 <211> 363
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (307)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (363)
 <223> Xaa equals stop translation

<400> 278
 Met Arg Thr Leu Phe Asn Leu Leu Trp Leu Ala Leu Ala Cys Ser Pro
 1 5 10 15

Val His Thr Thr Leu Ser Lys Ser Asp Ala Lys Lys Ala Ala Ser Lys
 20 25 30

Thr Leu Leu Glu Lys Ser Gln Phe Ser Asp Lys Pro Val Gln Asp Arg
 35 40 45

Gly Leu Val Val Thr Asp Leu Lys Ala Glu Ser Val Val Leu Glu His
 50 55 60

Arg Ser Tyr Cys Ser Ala Lys Ala Arg Asp Arg His Phe Ala Gly Asp
 65 70 75 80

Val Leu Gly Tyr Val Thr Pro Trp Asn Ser His Gly Tyr Asp Val Thr
 85 90 95

Lys Val Phe Gly Ser Lys Phe Thr Gln Ile Ser Pro Val Trp Leu Gln
 100 105 110

10004360-120701

Leu Lys Arg Arg Gly Arg Glu Met Phe Glu Val Thr Gly Leu His Asp
 115 120 125

Val Asp Gln Gly Trp Met Arg Ala Val Arg Lys His Ala Lys Gly Leu
 130 135 140

His Ile Val Pro Arg Leu Leu Phe Glu Asp Trp Thr Tyr Asp Asp Phe
 145 150 155 160

Arg Asn Val Leu Asp Ser Glu Asp Glu Ile Glu Glu Leu Ser Lys Thr
 165 170 175

Val Val Gln Val Ala Lys Asn Gln His Phe Asp Gly Phe Val Val Glu
 180 185 190

Val Trp Asn Gln Leu Leu Ser Gln Lys Arg Val Thr Asp Gln Leu Gly
 195 200 205

Met Phe Thr His Lys Glu Phe Glu Gln Leu Ala Pro Val Leu Asp Gly
 210 215 220

Phe Ser Leu Met Thr Tyr Asp Tyr Ser Thr Ala His Gln Pro Gly Pro
 225 230 235 240

Asn Ala Pro Leu Ser Trp Val Arg Ala Cys Val Gln Val Leu Asp Pro
 245 250 255

Lys Ser Lys Trp Arg Ser Lys Ile Leu Leu Gly Leu Asn Phe Tyr Gly
 260 265 270

Met Asp Tyr Ala Thr Ser Lys Asp Ala Arg Glu Pro Val Val Gly Ala
 275 280 285

Arg Tyr Ile Gln Thr Leu Lys Asp His Arg Pro Arg Met Val Trp Asp
 290 295 300

Ser Gln Xaa Ser Glu His Phe Phe Glu Tyr Lys Lys Ser Arg Ser Gly
 305 310 315 320

Arg His Val Val Phe Tyr Pro Thr Leu Lys Ser Leu Gln Val Arg Leu
 325 330 335

Glu Leu Ala Arg Glu Leu Gly Val Gly Val Ser Ile Trp Glu Leu Gly
 340 345 350

Gln Gly Leu Asp Tyr Phe Tyr Asp Leu Leu Xaa
 355 360

<210> 279

<211> 128

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (128)

<223> Xaa equals stop translation

100012001

<400> 279

Leu Pro Thr Lys Ile Leu Val Lys Pro Asp Arg Thr Phe Glu Ile Lys
 1 5 10 15

Ile Gly Gln Pro Thr Val Ser Tyr Phe Leu Lys Ala Ala Ala Gly Ile
 20 25 30

Glu Lys Gly Ala Arg Gln Thr Gly Lys Glu Val Ala Gly Leu Val Thr
 35 40 45

Leu Lys His Val Tyr Glu Ile Ala Arg Ile Lys Ala Gln Asp Glu Ala
 50 55 60

Phe Ala Leu Gln Asp Val Pro Leu Ser Ser Val Val Arg Ser Ile Ile
 65 70 75 80

Gly Ser Ala Arg Ser Leu Gly Ile Arg Val Val Lys Asp Leu Ser Ser
 85 90 95

Glu Glu Leu Ala Ala Phe Gln Lys Glu Arg Ala Ile Phe Leu Ala Ala
 100 105 110

Gln Lys Glu Ala Asp Leu Ala Ala Gln Glu Glu Ala Ala Lys Lys Xaa
 115 120 125

<210> 280

<211> 54

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (54)

<223> Xaa equals stop translation

<400> 280

Met Leu Leu Gln Ile His Pro Leu Leu Pro Ser Pro Thr Ile Pro His
 1 5 10 15

Ile Leu Leu Leu Phe Leu Tyr Pro Thr Phe Ser Ile Leu Glu His Ser
 20 25 30

Cys Ser Tyr Cys Ile Glu Tyr Leu Trp Val Cys Leu Leu Phe Cys Leu
 35 40 45

Ser Leu Trp Phe Leu Xaa
 50

<210> 281

<211> 29

<212> PRT

<213> Homo sapiens

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<400> 281

Met Cys Leu Trp Cys Cys Gly Asp Val Cys Ser Gly Leu Ser Ser Leu
 1 5 10 15

Leu Ser Leu Cys Val Cys Cys Val Val Leu Ala Val Cys
 20 25

<210> 282

<211> 26

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (26)

<223> Xaa equals stop translation

<400> 282

Glu Gly Leu Arg Leu Leu Leu Ser Leu Pro Ala Ala Leu Pro Arg Ser
 1 5 10 15

Cys Cys His Pro Arg Trp Leu Pro Val Xaa
 20 25

<210> 283

<211> 221

<212> PRT

<213> Homo sapiens

<400> 283

Met Phe His Gly Ile Pro Ala Thr Pro Gly Ile Gly Ala Pro Gly Asn
 1 5 10 15

Lys Pro Glu Leu Tyr Glu Glu Val Lys Leu Tyr Lys Asn Ala Arg Glu
 20 25 30

Arg Glu Lys Tyr Asp Asn Met Ala Glu Leu Phe Ala Val Val Lys Thr
 35 40 45

Met Gln Ala Leu Glu Lys Ala Tyr Ile Lys Asp Cys Val Ser Pro Ser
 50 55 60

Glu Tyr Thr Ala Ala Cys Ser Arg Leu Leu Val Gln Tyr Lys Ala Ala
 65 70 75 80

Phe Arg Gln Val Gln Gly Ser Glu Ile Ser Ser Ile Asp Glu Phe Cys
 85 90 95

Arg Lys Phe Arg Leu Asp Cys Pro Leu Ala Met Glu Arg Ile Lys Glu
 100 105 110

Asp Arg Pro Ile Thr Ile Lys Asp Asp Lys Gly Asn Leu Asn Arg Cys
 115 120 125

Ile Ala Asp Val Val Ser Leu Phe Ile Thr Val Met Asp Lys Leu Arg

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<210> 284
<211> 40
<212> PRT
<213> Homo sapiens

<400> 284
Met Gly Asn Ser Gln Val Pro Gln Ser Ser Asp Phe Ser Ser Ile Leu
  1                      5                      10                      15
Leu Thr Thr Ser Leu Gly Thr Tyr Ser Leu Leu Leu Gly Thr Ala Gly
                20                      25                      30
Ala Arg Thr Gly Ser Pro Met Ser
    35                      40

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<210> 285
<211> 49
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (6)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (38)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (49)
<223> Xaa equals stop translation

<400> 285
Met Gln Ala Pro Phe Xaa His Phe Ser Phe Arg Met Phe Ser Asn L
  1               5               10              15

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Tyr Cys Phe Ser Asp Phe Gln Pro Asn Ile Ser Pro Cys Pro Leu Cys
 20 25 30

His Cys Ile Leu Pro Xaa His His His Val Phe Leu Leu Leu Ala Val
 35 40 45

Xaa

<210> 286

<211> 52

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (52)

<223> Xaa equals stop translation

<400> 286

Met Lys Leu Val Thr Met Phe Asp Lys Leu Ser Arg Asn Arg Val Ile
 1 5 10 15

Gln Pro Met Gly Met Ser Pro Arg Gly His Leu Thr Ser Leu Gln Asp
 20 25 30

Ala Met Cys Glu Thr Met Glu Gln Gln Leu Ser Ser Asp Pro Asp Ser
 35 40 45

Asp Pro Asp Xaa
 50

<210> 287

<211> 32

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (32)

<223> Xaa equals stop translation

<400> 287

Met Ala Val Gly Glu Ala Val Phe Val Pro Leu Gln His Pro Pro Leu
 1 5 10 15

Leu His Gly Ser Pro Ile Pro Lys Leu Leu Pro Gly Pro Leu Leu Xaa
 20 25 30

<210> 288

<211> 57

<212> PRT

10004850 120701

<213> Homo sapiens

<220>

<221> SITE

<222> (52)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (57)

<223> Xaa equals stop translation

<400> 288

Met Asn Gly Cys His Arg Arg Lys Arg Leu His Leu Cys Lys Thr Ile
1 5 10 15

Tyr Leu Leu Trp Phe Val Phe Ser Phe Leu Leu Ser Asn Glu Val Val
20 25 30

Ser Ser His Trp His Ile Leu Arg Ala Val Gln Ile Ile Cys Thr Leu
35 40 45

Phe His Arg Xaa Ile Ser Ala Phe Xaa
50 55

<210> 289

<211> 22

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (22)

<223> Xaa equals stop translation

<400> 289

Met Gly Trp Val Ser Ser Pro His Val Lys Arg Arg Glu Cys Val Leu
1 5 10 15

Lys Lys Pro Phe Phe Xaa
20

<210> 290

<211> 51

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (51)

<223> Xaa equals stop translation

<400> 290

Met Phe Asn Phe Phe Lys Asn Pro Leu Leu Thr Cys Leu Phe Ile Ser
1 5 10 15

10004560-120701

Cys Tyr Leu Tyr Leu Ser Leu Leu Val Asn Lys Val Leu Phe Ala Glu
 20 25 30

Glu Gly Leu Cys Cys Thr Tyr Cys Thr Thr Ser Asn Thr Gly Glu Gly
 35 40 45

Gly Val Xaa
 50

<210> 291

<211> 98

<212> PRT

<213> Homo sapiens

<400> 291

Met Val Tyr Ile Tyr His Ile Phe Phe Ile His Ser Leu Leu Asp Gly
 1 5 10 15

Gln Leu Gly Trp Phe His Ile Phe Ala Ile Val Ser Cys Ala Ala Pro
 20 25 30

Asp Ile Ile Phe Asn Ser Phe Ala Phe Ser Thr Tyr Ile Ser Lys Ser
 35 40 45

Cys Ser Phe Tyr Leu Gln Asn Val Ser Cys Ile His Ser Ser Leu Ser
 50 55 60

Ile Phe Asn Leu Phe Gln Cys Pro Ile Ile Ser Cys Met Glu Glu Cys
 65 70 75 80

Asn Asn Trp Leu Thr Gly Leu Phe Leu His Phe Lys Ile Lys Arg Cys
 85 90 95

Asp Arg

<210> 292

<211> 66

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (44)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (66)

<223> Xaa equals stop translation

<400> 292

Met Leu Cys Thr Ile Leu Thr Val Val Ile Ile Ile Ala Ala Gln Thr
 1 5 10 15

Thr Arg Thr Thr Gly Ile Pro Lys Asn Ala Pro Gly Pro Ala Pro Leu

10004550.120701

20

25

30

Cys Ala Pro Arg Ser Pro Arg Leu Phe Leu Gln Xaa Tyr Arg Gly Pro
 35 40 45

Asn Gly Arg Pro Ala His Pro Phe Leu Gly Pro Ser Asp Leu Asp Thr
 50 55 60

Ser Xaa
 65

<210> 293
 <211> 257
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (75)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (187)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (229)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (232)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (235)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (236)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (237)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (257)
 <223> Xaa equals stop translation

<400> 293

10004860-120701

Met Leu Gly Ala Lys Pro His Trp Leu Pro Gly Pro Leu His Ser Pro
 1 5 10 15

Gly Leu Pro Leu Val Leu Val Leu Leu Ala Leu Gly Ala Gly Trp Ala
 20 25 30

Gln Glu Gly Ser Glu Pro Val Leu Leu Glu Gly Glu Cys Leu Val Val
 35 40 45

Cys Glu Pro Gly Arg Ala Ala Ala Gly Gly Pro Gly Gly Ala Ala Leu
 50 55 60

Gly Glu Ala Pro Pro Gly Arg Val Ala Phe Xaa Ala Val Arg Ser His
 65 70 75 80

His His Glu Pro Ala Gly Glu Thr Gly Asn Gly Thr Ser Gly Ala Ile
 85 90 95

Tyr Phe Asp Gln Val Leu Val Asn Glu Gly Gly Gly Phe Asp Arg Ala
 100 105 110

Ser Gly Ser Phe Val Ala Pro Val Arg Gly Val Tyr Ser Phe Arg Phe
 115 120 125

His Val Val Lys Val Tyr Asn Arg Gln Thr Val Gln Val Ser Leu Met
 130 135 140

Leu Asn Thr Trp Pro Val Ile Ser Ala Phe Ala Asn Asp Pro Asp Val
 145 150 155 160

Thr Arg Glu Ala Ala Thr Ser Ser Val Leu Leu Pro Leu Asp Pro Gly
 165 170 175

Asp Arg Val Ser Leu Arg Leu Arg Arg Gly Xaa Ser Thr Gly Trp Leu
 180 185 190

Glu Ile Leu Lys Phe Leu Trp Leu Pro His Leu Pro Ser Leu Lys Asp
 195 200 205

Pro Ser Leu Ser Ser Thr Arg Ile Gln Pro Leu Thr Thr Phe Phe Cys
 210 215 220

Pro Leu Leu Pro Xaa Lys Gln Xaa Lys Gln Xaa Xaa Xaa Ser Leu Trp
 225 230 235 240

Leu Leu Ser His Leu Phe Ala Trp Glu Pro Val Pro Asn Thr Gln Val
 245 250 255

Xaa

<210> 294
 <211> 103
 <212> PRT
 <213> Homo sapiens
 <220>

10004350-120701

<221> SITE
 <222> (78)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (80)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (81)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (82)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (103)
 <223> Xaa equals stop translation

<400> 294
 Met Ala Pro Arg Ala Leu Pro Gly Ser Ala Val Leu Ala Ala Val
 1 5 10 15
 Phe Val Gly Gly Ala Val Ser Ser Pro Leu Val Ala Pro Asp Asn Gly
 20 25 30
 Ser Ser Arg Thr Leu His Ser Arg Thr Glu Thr Thr Pro Ser Pro Ser
 35 40 45
 Asn Asp Thr Gly Asn Gly His Pro Glu Tyr Ile Ala Tyr Ala Leu Val
 50 55 60
 Pro Val Phe Phe Ile Met Gly Leu Phe Gly Val Leu Ile Xaa Pro Xaa
 65 70 75 80
 Xaa Xaa Lys Lys Lys Gly Tyr Arg Cys Thr Thr Glu Ala Glu Gln Asp
 85 90 95
 Ile Glu Glu Glu Lys Gly Xaa
 100

<210> 295
 <211> 33
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (33)
 <223> Xaa equals stop translation

<400> 295

Met Pro Val Thr Leu Ser Ser Leu Gly Phe Trp Val Leu Leu Ser Leu
 1 5 10 15
 Leu Phe Pro Trp Arg Thr Asp Gln Gly Cys Gly Pro Ala Thr Cys Tyr
 20 25 30

Xaa

<210> 296

<211> 43

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (10)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (43)

<223> Xaa equals stop translation

<400> 296

Met Val Leu Gly Leu Leu Leu Leu Leu Xaa Phe Phe Ser Phe Ser Ser
 1 5 10 15
 Ser Pro Ser Pro Ser Ser Ser Leu Leu Leu Leu Ser Ser Phe Phe Phe
 20 25 30

Gln Ser Leu Ala Leu Ser Pro Arg Leu Glu Xaa
 35 40

<210> 297

<211> 21

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (21)

<223> Xaa equals stop translation

<400> 297

Glu Trp Leu Val Phe Thr Phe Leu Leu Val Phe Gly Ser Pro Leu Gly
 1 5 10 15

Lys Gly Pro Leu Xaa
 20

<210> 298

<211> 70

<212> PRT

<213> Homo sapiens

10004350.120701

<220>
 <221> SITE
 <222> (70)
 <223> Xaa equals stop translation

<400> 298
 Met Ile Arg Ala Leu Ser Leu Phe Leu Leu Ile Phe Asp Ala Ala Leu
 1 5 10 15
 Phe Ser Leu Ser Val Phe Val Phe Ile Gly His Leu Leu Pro Met Pro
 20 25 30
 Lys Gly Thr Gly Leu His Ser Cys Ala Lys His Leu Ile Lys Ser Leu
 35 40 45
 Lys Glu Asn Val Leu Pro Leu Met Asn Tyr Pro Asp Cys Lys Leu Lys
 50 55 60
 Ile Asn Ile Ser Pro Xaa
 65 70

<210> 299
 <211> 75
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (75)
 <223> Xaa equals stop translation

<400> 299
 Met Gly Lys Leu Ile Arg Leu Ser Val Met Val Met Ser Val Arg Arg
 1 5 10 15
 Leu Phe Ser Ile Tyr Trp Val Leu Ser Thr Val Pro Asp Ala Val Gly
 20 25 30
 Ser Arg Gly Gly Met Glu Glu Glu Cys Ser Arg Gly Leu Cys Cys Val
 35 40 45
 Ala Gly Gln His Lys Gln Ala Lys Gly Lys Arg Gln Ala Trp Asn Lys
 50 55 60
 Gly Gly Glu Tyr Gln Cys Val Thr Tyr Cys Xaa
 65 70 75

<210> 300
 <211> 33
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (33)

10004360-120701

<223> Xaa equals stop translation

<400> 300

Met Pro Ala Leu Val Thr Leu Leu Leu Leu Phe Pro Leu Leu Pro Leu
1 5 10 15

Met Glu Ala Ser Cys His Val Met Arg Cys Pro Met Glu Arg Pro Thr
20 25 30

Xaa

<210> 301

<211> 17

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (17)

<223> Xaa equals stop translation

<400> 301

Glu Ala Pro Trp Gly Leu Leu Lys Leu Leu Leu Leu Ala Val Phe
1 5 10 15

Xaa

<210> 302

<211> 17

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (17)

<223> Xaa equals stop translation

<400> 302

Met Gln Gln Lys Gln Lys Lys Ala Asn Glu Lys Lys Glu Glu Pro Lys
1 5 10 15

Xaa

<210> 303

<211> 111

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (9)

<223> Xaa equals any of the naturally occurring L-amino acids

10004550-120701

<400> 303

Met Gln Ser Pro Lys Phe Leu Ser Xaa Thr Pro Tyr Leu Phe Gln Thr
 1 5 10 15

Pro Phe His Leu Ile Ser Leu Pro Cys His Phe Phe Ile Phe Lys Met
 20 25 30

Pro Ile Val Tyr Val Leu Phe Lys Phe Phe Glu Arg Leu Lys Gln Pro
 35 40 45

Leu Ser Lys Ile Pro Phe Cys Leu Leu Ala Phe Lys Phe Ser Ile Arg
 50 55 60

Ala Phe Phe Leu Pro Leu Trp His Ala Ala Leu Trp Leu Ser Phe Val
 65 70 75 80

Phe Phe Ala Gly Phe Leu His Asp Val Val Val Val Ser Cys Leu Thr
 85 90 95

Leu Cys Gly Val Val Ser Cys Ser Phe Ser Ser Pro Arg Cys Leu
 100 105 110

<210> 304

<211> 12

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (12)

<223> Xaa equals stop translation

<400> 304

Met Ala Leu Leu Ile Ser Ser Leu Ile Trp Ser Xaa
 1 5 10

<210> 305

<211> 35

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (35)

<223> Xaa equals stop translation

<400> 305

Met Gln Met Phe Thr Val Ser Leu Leu Leu Ser Leu Leu Leu Arg Ser
 1 5 10 15

Thr Asp Gln Asn His Leu Gln Leu Leu Val Gly Arg Glu Asp His Tyr
 20 25 30

Gly Gly Xaa
 35

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<220>  
<221> SITE  
<222> (15)  
<223> Xaa equals stop translation
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<210> 307
<211> 44
<212> PRT
<213> Homo sapiens
```

```
<400> 307
Met Asp Leu Asp Arg Val Lys Ala Glu Ala Thr Glu Asp Ile Thr Ser
  1             5             10             15
```

Phe Pro Ser Ala Val Leu Gly Ser Thr Arg Thr Xaa
35 40

```
<400> 308
Met Met Val Val Gly Thr Gly Thr Ser Leu Ala Leu Ser Ser Leu Leu
  1             5             10             15
```

Ser Thr Glu Trp Leu Thr Ile Gln Gly Gly Leu Leu Gly Ser Gly Leu
35 40 45

Phe Val Phe Ser Leu Thr Ala Phe Asn Asn Leu Glu Asn Leu Val Phe
50 55 60

Gly Lys Gly Phe Gln Ala Lys Ile Phe Pro Glu Ile Leu Leu Cys Leu
65 70 75 80

Leu Leu Ala Leu Phe Ala Ser Gly Leu Ile His Arg Val Cys Val Thr
85 90 95

Thr Cys Phe Ile Phe Ser Met Val Gly Leu Tyr Tyr Ile Asn Lys Ile
100 105 110

Ser Ser Thr Leu Tyr Gln Ala Ala Ala Pro Val Leu Thr Pro Ala Lys
115 120 125

Val Thr Gly Lys Ser Lys Lys Arg Asn
130 135

<210> 309

<211> 34

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (34)

<223> Xaa equals stop translation

<400> 309

Met Phe Ile Phe Leu Phe Leu Cys Val Leu Ser Arg Lys Ile Gln Glu
1 5 10 15

Glu Tyr Tyr Arg Leu Phe Lys Asn Val Pro Cys Cys Phe Gly Cys Leu
20 25 30

Arg Xaa

<210> 310

<211> 137

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (137)

<223> Xaa equals stop translation

<400> 310

Met Arg Thr Pro Gly Pro Leu Pro Val Leu Leu Leu Leu Ala Gly
1 5 10 15

Ala Pro Ala Ala Arg Pro Thr Pro Pro Thr Cys Tyr Ser Arg Met Arg
20 25 30

Ala Leu Ser Gln Glu Ile Thr Arg Asp Phe Asn Leu Leu Gln Val Ser
35 40 45

Glu Pro Ser Glu Pro Cys Val Arg Tyr Leu Pro Arg Leu Tyr Leu Asp
50 55 60

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Ile His Asn Tyr Cys Val Leu Asp Lys Leu Arg Asp Phe Val Ala Ser
65 70 75 80

Pro Pro Cys Trp Lys Val Ala Gln Val Asp Ser Leu Lys Asp Lys Ala
85 90 95

Arg Lys Leu Tyr Thr Ile Met Asn Ser Phe Cys Arg Arg Asp Leu Val
100 105 110

Phe Leu Leu Asp Asp Cys Asn Ala Leu Glu Tyr Pro Ile Pro Val Thr
115 120 125

Thr Val Leu Pro Asp Arg Gln Arg Xaa
130 135

<210> 311

<211> 58

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (14)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (37)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (58)

<223> Xaa equals stop translation

<400> 311

Met Trp Leu Leu Lys Pro Ser Ala His Ser Pro Val His Xaa Leu Val
1 5 10 15

Leu Leu Phe Pro Arg Gly Trp Ser Gln Pro Gly Thr His Lys Arg Gln
20 25 30

Ile Leu Val Asn Xaa Ala Ser Leu Pro Gly Gly Cys Leu Leu Pro Trp
35 40 45

Ile Trp Ser Gly Ala Ala Leu Arg Phe Xaa
50 55

<210> 312

<211> 35

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (35)

10004860.120701

<223> Xaa equals stop translation

<400> 312

Met Ser Arg Arg Ala Glu Ala Ser Ile Phe Val Leu Pro Lys Thr Leu
1 5 10 15

Leu Phe Val Leu Phe Pro Ala Phe Pro Ser Pro Ala Val Gly Cys Pro
20 25 30

Val Pro Xaa
35

<210> 313

<211> 90

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (90)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 313

Met Ala Leu Glu Met Val Trp Gly Ser Val Tyr His Cys Ser Cys Tyr
1 5 10 15

Ile Thr Pro Trp Ser Lys Ile Gln Ser Phe Ser Leu Ser Leu Phe Gln
20 25 30

Phe Ile Leu Gln Glu Val Asn Ile Thr Leu Pro Glu Asn Ser Val Trp
35 40 45

Tyr Glu Arg Tyr Lys Phe Asp Ile Pro Val Phe His Leu Asn Gly Gln
50 55 60

Phe Leu Met Met His Arg Val Asn Thr Ser Lys Leu Glu Lys Gln Leu
65 70 75 80

Leu Lys Leu Glu Gln Gln Ser Thr Gly Xaa
85 90

<210> 314

<211> 95

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (95)

<223> Xaa equals stop translation

<400> 314

Met Phe Val Leu Phe Ser Leu Pro Lys Tyr Ala Gly Leu Arg Leu Pro
1 5 10 15

Ile Pro Gly Leu Ser Ala Leu Leu Val Phe Leu Leu Ser Leu Phe Ser

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	20		25		30										
Arg	Arg	Ala	Gln	Val	Glu	Leu	Thr	Thr	Gly	Arg	Glu	Thr	Leu	Pro	Lys
	35					40					45				
Asn	Leu	Gln	Gly	Tyr	Phe	Pro	Glu	Phe	Gly	Phe	Gln	Val	Gln	Asn	Phe
	50					55					60				
Leu	Ser	Cys	Lys	Ile	Tyr	Ala	Ala	Ser	Gln	Lys	Gln	Pro	Leu	Pro	Pro
	65				70					75					80
Leu	Tyr	Gln	Leu	Arg	Phe	Tyr	Leu	Lys	His	Met	Gly	Leu	Pro	Xaa	
				85					90					95	

<210> 315
 <211> 44
 <212> PRT
 <213> Homo sapiens

 <220>
 <221> SITE
 <222> (44)
 <223> Xaa equals stop translation

Met	Ser	Ser	His	Trp	Thr	Leu	Lys	Ile	Leu	Leu	Val	Pro	Leu	Phe	Tyr
1				5					10					15	
Leu	Ser	Leu	Glu	Phe	Pro	Ser	Gly	Phe	Val	Leu	Cys	Leu	Ala	Asn	Asp
			20					25						30	
Leu	Gly	Tyr	His	Phe	Ser	Ser	Arg	Val	Arg	Ser	Xaa				
			35					40							

<210> 316
 <211> 31
 <212> PRT
 <213> Homo sapiens

 <220>
 <221> SITE
 <222> (31)
 <223> Xaa equals stop translation

Met	Leu	Val	Val	Asn	Ile	Asn	Leu	Val	Phe	Leu	Leu	Phe	Phe	Ile	Phe
1				5					10					15	
Leu	Cys	Tyr	Leu	Asp	Ala	Cys	Ile	Asn	Val	Phe	Cys	Phe	Tyr	Xaa	
			20					25						30	

<210> 317
 <211> 113
 <212> PRT
 <213> Homo sapiens

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<220>
 <221> SITE
 <222> (69)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (113)
 <223> Xaa equals stop translation

<400> 317
 Met Pro Val Leu Pro Gly Arg Thr Thr Ala Leu Leu Ser Leu Thr Leu
 1 5 10 15
 Ala Phe Ala Val Pro Cys Ser Gly Val Glu Ala Gly Pro Cys Val Pro
 20 25 30
 Arg Ser His Gly Cys Ser Ser Trp Glu Ala Ser Val Cys Val Thr Ser
 35 40 45
 Ser Thr Pro Gly Gly Ser Trp Arg Ala Arg Ala Leu Phe Pro Ser Ala
 50 55 60
 Ala Trp His Arg Xaa Ala Ala Trp Asp Ser Pro Trp Thr Gln Thr Gly
 65 70 75 80
 Asp Phe Ala Arg Gly Ala Met Gly Gly Ala Gly Ala Leu Pro Gly Gly
 85 90 95
 Cys Val Cys Ile Ser Gly Arg Pro Arg Ala Gln Lys Leu Pro Ala Leu
 100 105 110
 Xaa

<210> 318
 <211> 235
 <212> PRT
 <213> Homo sapiens

<400> 318
 Met Ser Pro Arg Tyr Pro Gly Gly Pro Arg Pro Pro Leu Arg Ile Pro
 1 5 10 15
 Asn Gln Ala Leu Gly Gly Val Pro Gly Ser Gln Pro Leu Leu Pro Ser
 20 25 30
 Gly Met Asp Pro Thr Arg Gln Gln Gly His Pro Asn Met Gly Gly Pro
 35 40 45
 Met Gln Arg Met Thr Pro Pro Arg Gly Met Val Pro Leu Gly Pro Gln
 50 55 60
 Asn Tyr Gly Gly Ala Met Arg Pro Pro Leu Asn Ala Leu Gly Gly Pro
 65 70 75 80

10004860.120701

Gly Met Pro Gly Met Asn Met Gly Pro Gly Gly Gly Arg Pro Trp Pro
 85 90 95

Asn Pro Thr Asn Ala Asn Ser Ile Pro Tyr Ser Ser Ala Ser Pro Gly
 100 105 110

Asn Tyr Val Gly Pro Pro Gly Gly Gly Gly Pro Pro Gly Thr Pro Ile
 115 120 125

Met Pro Ser Pro Ala Asp Ser Thr Asn Ser Gly Asp Asn Met Tyr Thr
 130 135 140

Leu Met Asn Ala Val Pro Pro Gly Pro Asn Arg Pro Asn Phe Pro Met
 145 150 155 160

Gly Pro Gly Ser Asp Gly Pro Met Gly Gly Leu Gly Gly Met Glu Ser
 165 170 175

His His Met Asn Gly Ser Leu Gly Ser Gly Asp Met Asp Ser Ile Ser
 180 185 190

Lys Asn Ser Pro Asn Asn Met Ser Leu Ser Asn Gln Pro Gly Thr Pro
 195 200 205

Arg Asp Asp Gly Glu Met Gly Gly Asn Phe Leu Asn Pro Phe Gln Ser
 210 215 220

Glu Ser Tyr Ser Pro Ser Met Thr Met Ser Val
 225 230 235

<210> 319

<211> 35

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (35)

<223> Xaa equals stop translation

<400> 319

Met Glu Asn Phe Phe Phe Ser Phe Tyr Leu Phe Leu Ile Thr Leu Ile
 1 5 10 15

Pro Asn Gly Arg Thr Leu Ser Thr Thr Ala Asp His Cys Lys Ile Pro
 20 25 30

Cys Ile Xaa
 35

<210> 320

<211> 35

<212> PRT

<213> Homo sapiens

<220>

10004960.120701

<221> SITE
 <222> (35)
 <223> Xaa equals stop translation

<400> 320
 Met Glu Leu Trp Glu Leu Ala Leu Cys Leu Leu Val Ala Leu Ser Ala
 1 5 10 15
 His Met Phe Thr Val Gln Leu Leu Ala Asp Leu Gly Phe Leu Phe Gly
 20 25 30
 Gly Phe Xaa
 35

<210> 321
 <211> 82
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (82)
 <223> Xaa equals stop translation

<400> 321
 Met Gly Ala Gly Ile Leu Ala Leu Leu Leu Pro Leu Glu Ser Val Leu
 1 5 10 15
 Thr Cys Ser Trp Ile Ser Val Ser Thr Ser Glu Arg Gln Leu Trp Gln
 20 25 30
 Ser Ser Gln Lys Ala Thr Ile Leu Ser Leu Lys Leu Asp Ser Cys Phe
 35 40 45
 Cys Gly His Ser Gly Leu Lys Gly Lys Asn Glu Asp Thr Asp Ser Ser
 50 55 60
 Val Pro Ile Ile Pro Ser Lys Thr His Thr His Leu Gly Lys His Leu
 65 70 75 80
 Ile Xaa

<210> 322
 <211> 72
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (47)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (70)

10004660-120701

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (72)

<223> Xaa equals stop translation

<400> 322

Met Phe Tyr Phe Val Leu Phe Ile Tyr Ser Ser Ser Glu Thr Trp Ser
1 5 10 15

Gly Ser Val Ala Gln Asp Gly Val His Gly Val Ile Ile Gly His Cys
20 25 30

Ser Val Glu Leu Pro Gly Ser Gly Asp Pro Pro Ala Ser Ala Xaa Leu
35 40 45

Val Ala Gly Thr Ile Gly Thr Cys Pro Thr Met Pro Gly Phe Val Tyr
50 55 60

Phe Leu Asn Asp Val Xaa Asn Xaa
65 70

<210> 323

<211> 34

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (10)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (34)

<223> Xaa equals stop translation

<400> 323

Met Asp Ser Thr Leu Arg Gln Gly Arg Xaa Leu Leu Thr Leu Val Pro
1 5 10 15

Ala Ser Leu Phe Ser Leu Thr Leu Gly Gly Pro Gly Pro Trp Lys Asp
20 25 30

Pro Xaa

<210> 324

<211> 115

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (111)

10004660 120701

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (112)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (115)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 324

Met	Gln	Val	Val	Gly	Ser	Trp	Pro	Gly	Arg	Val	Gly	Val	Val	Gly	Leu
1				5				10						15	

Ala	Phe	Ser	Leu	Val	Ile	Pro	Pro	Pro	Ala	Ile	Cys	Ile	Ala	Gly	Pro
			20					25					30		

Ala	Pro	Gly	Leu	Gly	Gly	Gly	Glu	Arg	Gln	Gln	Lys	Gly	Leu	Gly	Arg
		35					40					45			

Gly	Gly	Gly	Gly	Leu	Arg	Asn	Cys	Pro	Gly	Arg	Val	Gly	Met	Ala	Ala
	50					55					60				

Glu	Pro	Gly	Ala	Leu	Leu	Cys	Leu	Thr	Ser	Arg	Asp	Gly	Ser	Leu	Leu
65					70					75					80

Leu	Ser	Cys	Val	Arg	Pro	His	His	Val	Ile	Lys	Pro	Lys	Gly	Thr	Ala
				85					90					95	

Lys	Lys	Lys	Lys	Lys	Lys	Lys	Lys	Lys	Lys	Lys	Lys	Lys	Lys	Lys	Xaa	Xaa
			100					105							110	

Gly	Gly	Xaa
		115

<210> 325

<211> 108

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (98)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (99)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (100)

<223> Xaa equals any of the naturally occurring L-amino acids

10004860-120701

<400> 325

Met Asp Leu Pro Gln Phe Ile Tyr Leu Phe Ile Phe Cys Phe Cys Cys
 1 5 10 15

Leu Ala Ile Val Asn Asn Ala Ser Ile Asn Ile His Ile Gln Val Ser
 20 25 30

Met Trp Leu Tyr Val Phe Ile Ser Leu Gly Tyr Leu His Gly Ser Arg
 35 40 45

Ile Leu Gly His Asn Ile Ile Leu Cys Leu Thr Ser Gln Arg Ile Ala
 50 55 60

Lys Arg Phe Phe Ile Val Ala Ala Ser Phe Thr Phe Pro Pro Ala Met
 65 70 75 80

Tyr Lys Asp Phe Tyr Phe Ser Ile Ser Leu His Leu Pro Thr Leu Leu
 85 90 95

Phe Xaa Xaa Xaa Phe Val Phe Ser Leu Leu Pro Pro
 100 105

<210> 326

<211> 65

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (36)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (65)

<223> Xaa equals stop translation

<400> 326

Met Cys Ser Pro Ser Leu Ser Ser Ser Pro Pro Pro Leu Leu Gln Val
 1 5 10 15

Phe Phe Phe Phe Phe Phe Ser Pro His Trp Ala Ala Lys Val Val Pro
 20 25 30

Gln Trp Lys Xaa Arg His Pro Gln Val Ser Ser Gln Leu Leu Leu Cys
 35 40 45

Phe Leu Arg Val Asn Cys Gln Phe Leu Phe Leu Gln Glu Ile Leu Phe
 50 55 60

Xaa

65

<210> 327

<211> 49

<212> PRT

10004360-120701

<213> Homo sapiens

<400> 327

Met Cys Leu Ser Arg Trp Lys Ile Phe Tyr Thr Leu Leu Ile Leu Phe
1 5 10 15

Ala Phe Phe Ser Ile Thr Ser Glu Asn Glu Thr Phe Tyr Met Ile Ile
20 25 30

Ile His His Asn Pro Thr Gln Ile Thr Ala Ser Cys Ser Phe Thr Phe
35 40 45

Leu

<210> 328

<211> 293

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (36)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 328

Met Glu Arg Pro Asp Trp Glu Thr Ala Ile Gln Lys Pro Leu Cys Ser
1 5 10 15

Leu Pro Ala Gly Ser Gly Asn Ala Leu Ala Ala Ser Leu Asn His Tyr
20 25 30

Ala Gly Tyr Xaa Gln Val Thr Asn Glu Asp Leu Leu Thr Asn Cys Thr
35 40 45

Leu Leu Leu Cys Arg Arg Leu Leu Ser Pro Met Asn Leu Leu Ser Leu
50 55 60

His Thr Ala Ser Gly Leu Arg Leu Phe Ser Val Leu Ser Leu Ala Trp
65 70 75 80

Gly Phe Ile Ala Asp Val Asp Leu Glu Ser Glu Lys Tyr Arg Arg Leu
85 90 95

Gly Glu Met Arg Phe Thr Leu Gly Thr Phe Leu Arg Leu Ala Ala Leu
100 105 110

Arg Thr Tyr Arg Gly Arg Leu Ala Tyr Leu Pro Val Gly Arg Val Gly
115 120 125

Ser Lys Thr Pro Ala Ser Pro Val Val Val Gln Gln Gly Pro Val Asp
130 135 140

Ala His Leu Val Pro Leu Glu Glu Pro Val Pro Ser His Trp Thr Val
145 150 155 160

Val Pro Asp Glu Asp Phe Val Leu Val Leu Ala Leu Leu His Ser His

1000450.10701

165 170 175
 Leu Gly Ser Glu Met Phe Ala Ala Pro Met Gly Arg Cys Ala Ala Gly
 180 185 190
 Val Met His Leu Phe Tyr Val Arg Ala Gly Val Ser Arg Ala Met Leu
 195 200 205
 Leu Arg Leu Phe Leu Ala Met Glu Lys Gly Arg His Met Glu Tyr Glu
 210 215 220
 Cys Pro Tyr Leu Val Tyr Val Pro Val Val Ala Phe Arg Leu Glu Pro
 225 230 235 240
 Lys Asp Gly Lys Gly Val Phe Ala Val Asp Gly Glu Leu Met Val Ser
 245 250 255
 Glu Ala Val Gln Gly Gln Val His Pro Asn Tyr Phe Trp Met Val Ser
 260 265 270
 Gly Cys Val Glu Pro Pro Pro Ser Trp Lys Pro Gln Gln Met Pro Pro
 275 280 285
 Pro Glu Glu Pro Leu
 290

<210> 329
 <211> 68
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (68)
 <223> Xaa equals stop translation

<400> 329
 Met Pro Leu Glu Gly Phe Cys Leu Val Leu Asp Ile Gly Phe Leu Leu
 1 5 10 15
 Val Met Leu Ile Ser Leu Ala Ser Glu Cys Phe Thr Thr Cys Leu Asp
 20 25 30
 Ser Phe Ser Thr Thr Glu Pro Gly Cys Lys Phe Tyr Lys Leu Leu His
 35 40 45
 Ser Val Ser Leu Leu Asn Ile Asn Phe Asn Val Lys Ser Leu Leu Cys
 50 55 60
 Ser His Ile Xaa
 65

<210> 330
 <211> 105
 <212> PRT
 <213> Homo sapiens

10004560 120701

<220>
 <221> SITE
 <222> (105)
 <223> Xaa equals stop translation

<400> 330
 Met Pro Leu Gln Leu Ser Gly Gln Tyr Trp Ile Ser Leu Leu Val Phe
 1 5 10 15
 Leu Ser Leu Gln Pro Phe Pro Gln Ala Ala Ile Pro Cys Ala Leu Thr
 20 25 30
 Asp Val Gly Gly Ser Cys Val Ile Cys His Ile Leu Leu Asn Cys Leu
 35 40 45
 Cys Ile Leu Phe Thr Leu Thr Ala Pro Ser Leu Ser His Val Leu Leu
 50 55 60
 Ile Lys Met Ser Leu Ser Val Cys Tyr Glu Pro Gly Ala Asp Leu Ser
 65 70 75 80
 Asp Arg Ala Ala Thr Gly Asn Lys Lys Leu Thr Arg Ser Thr Cys Leu
 85 90 95
 Leu Met His Ser Asn Lys Leu Cys Xaa
 100 105

<210> 331
 <211> 58
 <212> PRT
 <213> Homo sapiens

<400> 331
 Met Trp Gly Cys Ser Gly Leu Gly His Arg Thr Val Ser Phe Leu Leu
 1 5 10 15
 Leu Leu Pro Cys Ser Phe Pro Arg Pro Cys Gly Leu Phe Gly Leu Ile
 20 25 30
 Pro Ile Ser Arg Pro Cys Lys Val Glu Ala Pro Arg Pro Leu Ser Pro
 35 40 45
 Thr Thr Leu Met Cys Gln Ser Pro Leu Leu
 50 55

<210> 332
 <211> 39
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (14)
 <223> Xaa equals any of the naturally occurring L-amino acids

10004350-120704

<220>
 <221> SITE
 <222> (39)
 <223> Xaa equals stop translation

<400> 332
 Met Leu Asn Val Leu Ser Lys Val Gln Gln Leu Val Ser Xaa Leu Gly
 1 5 10 15
 Leu Val Thr Phe Leu Leu Asn His Ser Ala Ala Gly Gly Ser Pro Gln
 20 25 30
 His Arg Trp Leu Leu Leu Xaa
 35

<210> 333
 <211> 72
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (58)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (72)
 <223> Xaa equals stop translation

<400> 333
 Met Lys Ala Ile Ala Arg Ala Cys Leu Leu Leu Ser Leu Leu Val Leu
 1 5 10 15
 Pro His Val Val Ser Glu His Leu Phe Trp His His Asn Pro Arg His
 20 25 30
 Pro Val Ile Trp Pro Phe Pro Pro Phe His Leu Ile Ser Cys Ser Val
 35 40 45
 Ser Ala Ser Thr Trp His Leu Gly Glu Xaa Leu Leu Leu Leu Val Pro
 50 55 60
 Ile Ala Pro Ser Val Trp Ser Xaa
 65 70

<210> 334
 <211> 62
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (62)
 <223> Xaa equals stop translation

1000460-10001

Glu Phe Ile Glu Glu Leu Leu Ser Pro Pro Phe Gly Gly Leu Val Ala
165 170 175

Phe Val Lys Glu Ala Glu Ala Leu Ile Glu Arg Gly Gln Ala Glu Arg
180 185 190

Leu Arg Gly Glu Glu Ala Arg Val Thr Gln Leu Ile Arg Gly Phe Gly
195 200 205

Ser Ser Trp Lys Ser Ser Val Glu Ser Leu Ser Gln Asp Val Met Arg
210 215 220

Ser Phe Thr Asn Phe Arg Asn Gly Thr Ser Ile Ile Gln Gly Ala Leu
225 230 235 240

Thr Gln Leu Ile Gln Leu Tyr His Arg Phe His Arg Val Leu Ser Gln
245 250 255

Pro Gln Leu Arg Ala Leu Pro Ala Arg Ala Glu Leu Ile Asn Ile His
260 265 270

His Leu Met Val Glu Leu Lys Lys His Lys Pro Asn Phe Xaa
275 280 285

<210> 336

<211> 55

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (55)

<223> Xaa equals stop translation

<400> 336

Met Phe Arg Ala Leu Arg Asp Leu Leu Thr His Tyr Pro Gln Gln Ile
1 5 10 15

Leu Leu Gln Val Leu Val Val Met Tyr Gln Val Leu Gln Val Trp Glu
20 25 30

Leu Pro Trp Pro Glu Leu Ile His Leu Gln Gly Ile Val Pro Thr Asp
35 40 45

Gln Leu His Leu Lys Gln Xaa
50 55

<210> 337

<211> 59

<212> PRT

<213> Homo sapiens

<400> 337

Met Ser Tyr Pro Leu Phe Leu Phe Met Ser Cys Met Val Ile Ser Leu
1 5 10 15

Ser Pro Asn Ala Gly Ser Gln Thr Ser Thr Val Arg Cys Leu Ser Asp
20 25 30

1001650.1001

Leu Val Thr Phe Thr Leu Ile Lys Gly Ser Pro Val His Gln Thr Pro
 35 40 45

Tyr Leu Glu Ser Ser Ile Asn Cys Ile Thr Phe
 50 55

<210> 338
 <211> 120
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (120)
 <223> Xaa equals stop translation

<400> 338
 Met His Pro Ala Arg Lys Leu Leu Ser Leu Leu Phe Leu Ile Leu Met
 1 5 10 15
 Gly Thr Glu Leu Thr Gln Asp Ser Ala Ala Pro Asp Ser Leu Leu Arg
 20 25 30
 Ser Ser Lys Gly Ser Thr Arg Gly Ser Leu Ala Ala Ile Val Ile Trp
 35 40 45
 Arg Gly Lys Ser Glu Ser Arg Ile Ala Lys Thr Pro Gly Ile Phe Arg
 50 55 60
 Gly Gly Gly Thr Leu Val Leu Pro Pro Thr His Thr Pro Glu Trp Leu
 65 70 75 80
 Ile Leu Pro Leu Gly Ile Thr Leu Pro Leu Gly Ala Pro Glu Thr Gly
 85 90 95
 Gly Gly Asp Cys Ala Ala Glu Thr Trp Lys Gly Ser Gln Arg Ala Gly
 100 105 110
 Gln Leu Cys Ala Leu Leu Ala Xaa
 115 120

<210> 339
 <211> 38
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (33)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 339
 Met Pro Ser Phe Phe Leu Ser Leu Ile Gln Thr Asn Thr Leu Gly Ser
 1 5 10 15
 Ala Ser Phe Leu Leu Phe Leu Thr Leu His Ile His Leu Ser Pro Asn

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Xaa Val His Ser Ala Ser
35

<210> 340
<211> 46
<212> PRT
<213> Homo sapiens

<400> 340
Met Phe Ser Arg Thr Ser Asn Phe Trp Thr Phe Phe Phe Gln Phe Leu
1 5 10 15
Ile Phe Lys Val Phe Leu Val Leu Lys Asn Leu Phe Thr Ser Gln Lys
20 25 30
Ile Tyr Lys Ile Tyr Ser Glu Lys Pro Lys Lys Lys Lys Lys
35 40 45

<210> 341
<211> 18
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (18)
<223> Xaa equals stop translation

<400> 341
Met Gly Leu Leu Ile Phe Met Leu Leu Ile Gly Ile His Ser Gln Cys
1 5 10 15

Ser Xaa

<210> 342
<211> 87
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (87)
<223> Xaa equals stop translation

<400> 342
Met Val Leu Phe Cys Phe Val Leu Phe Cys Phe Val Phe Glu Met Asp
1 5 10 15
Ser Ser Ser Val Thr Gln Ala Gly Val Gln Trp Cys Asp Leu Gly Ser
20 25 30

Leu Gln Ala Pro Pro Pro Gly Phe Ser Pro Phe Ser Cys Leu Ser Leu

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35 40 45
 Pro Ser Ser Trp Asp Tyr Arg Arg Pro Pro Pro Arg Pro Ala Asn Phe
 50 55 60
 Leu Tyr Phe Leu Val Glu Thr Gly Phe His His Val Ser Gln Asp Gly
 65 70 75 80
 Leu Asp Leu Leu Thr Ser Xaa
 85

<210> 343
 <211> 538
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (538)
 <223> Xaa equals stop translation

<400> 343
 Met Ser Thr Lys Lys Leu Cys Ile Val Gly Gly Ile Leu Leu Val Phe
 1 5 10 15
 Gln Ile Ile Ala Phe Leu Val Gly Gly Leu Ile Ala Pro Gly Pro Thr
 20 25 30
 Thr Ala Val Ser Tyr Met Ser Val Lys Cys Val Asp Ala Arg Lys Asn
 35 40 45
 His His Lys Thr Lys Trp Phe Val Pro Trp Gly Pro Asn His Cys Asp
 50 55 60
 Lys Ile Arg Asp Ile Glu Glu Ala Ile Pro Arg Glu Ile Glu Ala Asn
 65 70 75 80
 Asp Ile Val Phe Ser Val His Ile Pro Leu Pro His Met Glu Met Ser
 85 90 95
 Pro Trp Phe Gln Phe Met Leu Phe Ile Leu Gln Leu Asp Ile Ala Phe
 100 105 110
 Lys Leu Asn Asn Gln Ile Arg Glu Asn Ala Glu Val Ser Met Asp Val
 115 120 125
 Ser Leu Ala Tyr Arg Asp Asp Ala Phe Ala Glu Trp Thr Glu Met Ala
 130 135 140
 His Glu Arg Val Pro Arg Lys Leu Lys Cys Thr Phe Thr Ser Pro Lys
 145 150 155 160
 Thr Pro Glu His Glu Gly Arg Tyr Tyr Glu Cys Asp Val Leu Pro Phe
 165 170 175
 Met Glu Ile Gly Ser Val Ala His Lys Phe Tyr Leu Leu Asn Ile Arg
 180 185 190

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Leu Pro Val Asn Glu Lys Lys Lys Ile Asn Val Gly Ile Gly Glu Ile
 195 200 205
 Lys Asp Ile Arg Leu Val Gly Ile His Gln Asn Gly Gly Phe Thr Lys
 210 215 220
 Val Trp Phe Ala Met Lys Thr Phe Leu Thr Pro Ser Ile Phe Ile Ile
 225 230 235 240
 Met Val Trp Tyr Trp Arg Arg Ile Thr Met Met Ser Arg Pro Pro Val
 245 250 255
 Leu Leu Glu Lys Val Ile Phe Ala Leu Gly Ile Ser Met Thr Phe Ile
 260 265 270
 Asn Ile Pro Val Glu Trp Phe Ser Ile Gly Phe Asp Trp Thr Trp Met
 275 280 285
 Leu Leu Phe Gly Asp Ile Arg Gln Gly Ile Phe Tyr Ala Met Leu Leu
 290 295 300
 Ser Phe Trp Ile Ile Phe Cys Gly Glu His Met Met Asp Gln His Glu
 305 310 315 320
 Arg Asn His Ile Ala Gly Tyr Trp Lys Gln Val Gly Pro Ile Ala Val
 325 330 335
 Gly Ser Phe Cys Leu Phe Ile Phe Asp Met Cys Glu Arg Gly Val Gln
 340 345 350
 Leu Thr Asn Pro Phe Tyr Ser Ile Trp Thr Thr Asp Ile Gly Thr Glu
 355 360 365
 Leu Ala Met Ala Phe Ile Ile Val Ala Gly Ile Cys Leu Cys Leu Tyr
 370 375 380
 Phe Leu Phe Leu Cys Phe Met Val Phe Gln Val Phe Arg Asn Ile Ser
 385 390 395 400
 Gly Lys Gln Ser Ser Leu Pro Ala Met Ser Lys Val Arg Arg Leu His
 405 410 415
 Tyr Glu Gly Leu Ile Phe Arg Phe Lys Phe Leu Met Leu Ile Thr Leu
 420 425 430
 Ala Cys Ala Ala Met Thr Val Ile Phe Phe Ile Val Ser Gln Val Thr
 435 440 445
 Glu Gly His Trp Lys Trp Gly Gly Val Thr Val Gln Val Asn Ser Ala
 450 455 460
 Phe Phe Thr Gly Ile Tyr Gly Met Trp Asn Leu Tyr Val Phe Ala Leu
 465 470 475 480
 Met Phe Leu Tyr Ala Pro Ser His Lys Asn Tyr Gly Glu Asp Gln Ser
 485 490 495

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 10004860-150704

Asn Gly Met Gln Leu Pro Cys Lys Ser Arg Glu Asp Cys Ala Leu Phe
500 505 510

Val Ser Glu Leu Tyr Gln Glu Leu Phe Ser Ala Ser Lys Tyr Ser Phe
515 520 525

Ile Asn Asp Asn Ala Ala Ser Gly Ile Xaa
530 535

<210> 344

<211> 202

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (202)

<223> Xaa equals stop translation

<400> 344

Met Gly Ile Ala Leu Ala Val Leu Gly Trp Leu Ala Val Met Leu Cys
1 5 10 15

Cys Ala Leu Pro Met Trp Arg Val Thr Ala Phe Ile Gly Ser Asn Ile
20 25 30

Val Thr Ser Gln Thr Ile Trp Glu Gly Leu Trp Met Asn Cys Val Val
35 40 45

Gln Ser Thr Gly Gln Met Gln Cys Lys Val Tyr Asp Ser Leu Leu Ala
50 55 60

Leu Pro Gln Asp Leu Gln Ala Ala Arg Ala Leu Val Ile Ile Ser Ile
65 70 75 80

Ile Val Ala Ala Leu Gly Val Leu Leu Ser Val Val Gly Gly Lys Cys
85 90 95

Thr Asn Cys Leu Glu Asp Glu Ser Ala Lys Ala Lys Thr Met Ile Val
100 105 110

Ala Gly Val Val Phe Leu Leu Ala Gly Leu Met Val Ile Val Pro Val
115 120 125

Ser Trp Thr Ala His Asn Ile Ile Gln Asp Phe Tyr Asn Pro Leu Val
130 135 140

Ala Ser Gly Gln Lys Arg Glu Met Gly Ala Ser Leu Tyr Val Gly Trp
145 150 155 160

Ala Ala Ser Gly Leu Leu Leu Leu Gly Gly Gly Leu Leu Cys Cys Asn
165 170 175

Cys Pro Pro Arg Thr Asp Lys Pro Tyr Ser Ala Lys Tyr Ser Ala Ala
180 185 190

Arg Ser Ala Ala Ala Ser Asn Tyr Val Xaa

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200

<211> 122

<212> PRT

<213> Homo sapiens

 $\langle 400 \rangle$ 345

Met Val Ser Ile Ser Val Val Leu Arg Val Ser Leu Pro Thr Leu Glu
1 5 10 15

Pro Val Pro Val Ala Gly Arg Ser Ile Trp Ile Ser Thr Thr Ser Pro
20 25 30

Ser Met Ile Ser Val Ser Ser Leu Met Arg Thr Pro Met Asp Arg Arg
35 40 45

Lys Ala Cys Val Ser Ala Ser Val Leu Leu Ile Ser Arg Glu Lys Ile
 30 55 60

Ser Leu Pro Ala Met Ala Val Asn Gly Val Ser Gly Pro Arg Ala Cys
65 70 75 80

Ala Met Pro Met Ala Met Ala Val Phe Pro Val Pro Gly Trp Pro Ala
85 90 95

Ile Arg Thr Ala Arg Pro Ala Ile Phe Pro Ser Arg Ile Ile Ser Ser
100 105 110

Thr Thr Pro Ala Ala Arg Arg Ala Ala Ser
115 120

<210> 346

<211> 260

<212> PRT

<213> Homo sapiens

<400> 346

Met¹-Leu⁵-Ala¹⁰-Leu¹⁵-Leu²⁰-Gly²⁵-Leu³⁰-Ser³⁵-Gln⁴⁰-Ala⁴⁵-Leu⁵⁰-Asn⁵⁵-Ile⁶⁰-Leu⁶⁵-Leu⁷⁰-Gly⁷⁵

Leu Lys Gly Leu Ala Pro Ala Glu Ile Ser Ala Val Cys Glu Lys Gly
20 25 30

Asn Phe Asn Val Ala His Gly Leu Ala Trp Ser Tyr Tyr Ile Gly Tyr
35 40 45

Leu Arg Leu Ile Leu Pro Glu Leu Gln Ala Arg Ile Arg Thr Tyr Asn
50 55 60

Gln His Tyr Asn Asn Leu Leu Arg Gly Ala Val Ser Gln Arg Leu Tyr
65 70 75 80

Ile Leu Leu Pro Leu Asp Cys Gly Val Pro Asp Asn Leu Ser Met Ala
85 90 95

Asp Pro Asn Ile Arg Phe Leu Asp Lys Leu Pro Gln Gln Thr Gly Asp
 100 105 110
 Arg Ala Gly Ile Lys Asp Arg Val Tyr Ser Asn Ser Ile Tyr Glu Leu
 115 120 125
 Leu Glu Asn Gly Gln Arg Ala Gly Thr Cys Val Leu Glu Tyr Ala Thr
 130 135 140
 Pro Leu Gln Thr Leu Phe Ala Met Ser Gln Tyr Ser Gln Ala Gly Phe
 145 150 155 160
 Ser Gly Glu Asp Arg Leu Glu Gln Ala Lys Leu Phe Cys Arg Thr Leu
 165 170 175
 Glu Asp Ile Leu Ala Asp Ala Pro Glu Ser Gln Asn Asn Cys Arg Leu
 180 185 190
 Ile Ala Tyr Gln Glu Pro Ala Asp Asp Ser Ser Phe Ser Leu Ser Gln
 195 200 205
 Glu Val Leu Arg His Leu Arg Gln Glu Glu Lys Glu Glu Val Thr Val
 210 215 220
 Gly Ser Leu Lys Thr Ser Ala Val Pro Ser Thr Ser Thr Met Ser Gln
 225 230 235 240
 Glu Pro Glu Leu Leu Ile Ser Gly Met Glu Lys Pro Leu Pro Leu Arg
 245 250 255
 Thr Asp Phe Ser
 260

<210> 347
 <211> 48
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (48)
 <223> Xaa equals stop translation

<400> 347
 Met Thr Pro Gln Lys Pro Ala Leu Ala Val Leu Leu Leu Glu Val Pro
 1 5 10 15
 Leu Leu Leu Thr Leu Ser Val Leu Lys Lys Arg Cys Leu Val Thr Cys
 20 25 30
 Glu Pro Thr Ser Arg Phe Val Ser Cys Asp Leu Pro Leu Ser Val Xaa
 35 40 45

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<210> 348
 <211> 334
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (288)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (334)
 <223> Xaa equals stop translation

<400> 348
 Met Ala Ala Ala Ala Trp Leu Gln Val Leu Pro Val Ile Leu Leu Leu
 1 5 10 15
 Leu Gly Ala His Pro Ser Pro Leu Ser Phe Phe Ser Ala Gly Pro Ala
 20 25 30
 Thr Val Ala Ala Ala Asp Arg Ser Lys Trp His Ile Pro Ile Pro Ser
 35 40 45
 Gly Lys Asn Tyr Phe Ser Phe Gly Lys Ile Leu Phe Arg Asn Thr Thr
 50 55 60
 Ile Phe Leu Lys Phe Asp Gly Glu Pro Cys Asp Leu Ser Leu Asn Ile
 65 70 75 80
 Thr Trp Tyr Leu Lys Ser Ala Asp Cys Tyr Asn Glu Ile Tyr Asn Phe
 85 90 95
 Lys Ala Glu Glu Val Glu Leu Tyr Leu Glu Lys Leu Lys Glu Lys Arg
 100 105 110
 Gly Leu Ser Gly Lys Tyr Gln Thr Ser Ser Lys Leu Phe Gln Asn Cys
 115 120 125
 Ser Glu Leu Phe Lys Thr Gln Thr Phe Ser Gly Asp Phe Met His Arg
 130 135 140
 Leu Pro Leu Leu Gly Glu Lys Gln Glu Ala Lys Glu Asn Gly Thr Asn
 145 150 155 160
 Leu Thr Phe Ile Gly Asp Lys Thr Ala Met His Glu Pro Leu Gln Thr
 165 170 175
 Trp Gln Asp Ala Pro Tyr Ile Phe Ile Val His Ile Gly Ile Ser Ser
 180 185 190
 Ser Lys Glu Ser Ser Lys Glu Asn Ser Leu Ser Asn Leu Phe Thr Met
 195 200 205
 Thr Val Glu Val Lys Gly Pro Tyr Glu Tyr Leu Thr Leu Glu Asp Tyr
 210 215 220

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Pro Leu Met Ile Phe Phe Met Val Met Cys Ile Val Tyr Val Leu Phe
225 230 235 240

Gly Val Leu Trp Leu Ala Trp Ser Ala Cys Tyr Trp Arg Asp Leu Leu
245 250 255

Arg Ile Gln Phe Trp Ile Gly Ala Val Ile Phe Leu Gly Met Leu Glu
260 265 270

Lys Ala Val Phe Tyr Ala Glu Phe Gln Asn Ile Arg Tyr Lys Gly Xaa
275 280 285

Ser Val Gln Gly Ala Leu Ile Leu Ala Glu Leu Leu Ser Ala Val Lys
290 295 300

Arg Ser Leu Ala Arg Thr Leu Val Ile Ile Val Ser Leu Gly Tyr Gly
305 310 315 320

Ile Val Lys Pro Arg Leu Glu Ser Leu Phe Ile Arg Leu Xaa
325 330

<210> 349

<211> 200

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (4)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (193)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (200)

<223> Xaa equals stop translation

<400> 349

Met Val Leu Xaa Val Val Thr Leu Gly Leu Ala Leu Phe Thr Leu Cys
1 5 10 15

Gly Lys Phe Lys Arg Trp Lys Leu Asn Gly Ala Phe Leu Leu Ile Thr
20 25 30

Ala Phe Leu Ser Val Leu Ile Trp Val Ala Trp Met Thr Met Tyr Leu
35 40 45

Phe Gly Asn Val Lys Leu Gln Gln Gly Asp Ala Trp Asn Asp Pro Thr
50 55 60

Leu Ala Ile Thr Leu Ala Ala Ser Ala Gly Ser Ser Ser Ser Thr
65 70 75 80

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Pro Ser Leu Arg Ser Thr Ala Pro Phe Cys Gln Pro Cys Arg Arg Thr
85 90 95

Arg Pro Thr Thr Ser Thr Arg Arg Ser Pro Gly Cys Gly Arg Arg Pro
100 105 110

Ser Arg Arg Thr Cys Ser Cys Arg Gly Pro Ile Trp Arg Thr Arg Pro
115 120 125

Ser Pro Trp Met Asn Thr Met Gln Leu Ser Glu Gln Gln Asp Phe Pro
130 135 140

Thr Ala Ala Trp Glu Lys Asp Pro Val Ala Ala Trp Gly Lys Asp Pro
145 150 155 160

Ala Leu Arg Leu Glu Ala Thr Cys Ile Ser Gln Leu Arg Trp Pro Ser
165 170 175

Cys Ser Thr Val Gly Pro Ser Gln Leu Leu Arg Gln Val Thr Gln Glu
180 185 190

Xaa Thr Phe Gly Glu Arg Leu Xaa
195 200

<210> 350

<211> 24

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (24)

<223> Xaa equals stop translation

<400> 350

Met Leu Leu His His Gln Leu Leu Ile Val Thr Leu His Leu Val Leu
1 5 10 15

Leu Leu Ala Thr Leu Leu Val Xaa
20

<210> 351

<211> 143

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (85)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (131)

<223> Xaa equals any of the naturally occurring L-amino acids

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<220>
 <221> SITE
 <222> (143)
 <223> Xaa equals stop translation

<400> 351

Met Thr Lys Ala Leu Leu Ile Tyr Leu Val Ser Ser Phe Leu Ala Leu
 1 5 10 15

Asn Gln Ala Ser Leu Ile Ser Arg Cys Asp Leu Ala Gln Val Leu Gln
 20 25 30

Leu Glu Asp Leu Asp Gly Phe Glu Gly Tyr Ser Leu Ser Asp Trp Leu
 35 40 45

Cys Leu Ala Phe Val Glu Ser Lys Phe Asn Ile Ser Lys Ile Asn Glu
 50 55 60

Asn Ala Asp Gly Ser Phe Asp Tyr Gly Leu Phe Gln Ile Asn Ser His
 65 70 75 80

Tyr Trp Cys Asn Xaa Tyr Lys Ser Tyr Ser Glu Asn Leu Cys His Val
 85 90 95

Asp Cys Gln Asp Leu Leu Asn Pro Asn Leu Leu Ala Gly Ile His Cys
 100 105 110

Ala Lys Arg Ile Val Ser Gly Ala Arg Gly Met Asn Asn Trp Val Arg
 115 120 125

Met Glu Xaa Cys Thr Val Gln Ala Gly His Ser Ser Thr Gly Xaa
 130 135 140

<210> 352
 <211> 95
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (95)
 <223> Xaa equals stop translation

<400> 352

Met Leu Val Ile Ala Gly Gly Ile Leu Ala Ala Leu Leu Leu Ile
 1 5 10 15

Val Val Val Leu Cys Leu Tyr Phe Lys Ile His Asn Ala Leu Lys Ala
 20 25 30

Ala Lys Glu Pro Glu Ala Val Ala Val Lys Asn His Asn Pro Asp Lys
 35 40 45

Val Trp Trp Ala Lys Asn Ser Gln Ala Lys Thr Ile Ala Thr Glu Ser
 50 55 60

Cys Pro Ala Leu Gln Cys Cys Glu Gly Tyr Arg Met Cys Ala Ser Phe

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65

70

75

80

Asp Ser Leu Pro Pro Cys Cys Cys Asp Ile Asn Glu Gly Leu Xaa
 85 90 95

<210> 353

<211> 38

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (38)

<223> Xaa equals stop translation

<400> 353

Met Leu Leu Lys Ser Asn Ile Leu Met Leu Asn Leu Phe Ala Ala Asn
 1 5 10 15

Val Gly Ala Asn Phe Ala Leu Thr Val Glu Lys Ile Gly Met Ile Leu
 20 25 30

Leu Asn Val Ser Gly Xaa
 35

<210> 354

<211> 39

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (39)

<223> Xaa equals stop translation

<400> 354

Met Leu Val Val Ala Phe Gly Leu Leu Val Leu Tyr Ile Leu Leu Ala
 1 5 10 15

Ser Ser Trp Lys Arg Pro Glu Pro Gly Ile Leu Thr Asp Arg Gln Pro
 20 25 30

Leu Leu His Asp Gly Glu Xaa
 35

<210> 355

<211> 71

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (35)

<223> Xaa equals any of the naturally occurring L-amino acids

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<220>
 <221> SITE
 <222> (71)
 <223> Xaa equals stop translation

<400> 355

Ser Asp Pro Leu Ala Ser Ala Ser Gln Asn Ala Gly Ile Val Ser Val
 1 5 10 15

Gly Leu Cys Thr Arg Pro Gly Pro Gln Phe Lys Asn Ala Gln Pro Pro
 20 25 30

Phe Pro Xaa Gln Lys Ala Pro Arg Cys Leu Trp Glu Asn Gln Pro Pro
 35 40 45

Pro Trp Arg Lys Ala Trp Asp Leu Pro Ser His Leu Gly Arg Arg Gly
 50 55 60

Ile Cys Gly Lys Ser Phe Xaa
 65 70

<210> 356

<211> 227

<212> PRT

<213> Homo sapiens

<400> 356

Met Ala Asp Leu Leu Gly Ser Ile Leu Ser Ser Met Glu Lys Pro Pro
 1 5 10 15

Ser Leu Gly Asp Gln Glu Thr Arg Arg Lys Ala Arg Glu Gln Ala Ala
 20 25 30

Arg Leu Lys Lys Leu Gln Glu Gln Glu Lys Gln Gln Lys Val Glu Phe
 35 40 45

Arg Lys Arg Met Glu Lys Glu Val Ser Asp Phe Ile Gln Asp Ser Gly
 50 55 60

Gln Ile Lys Lys Lys Phe Gln Pro Met Asn Lys Ile Glu Arg Ser Ile
 65 70 75 80

Leu His Asp Val Val Glu Val Ala Gly Leu Thr Ser Phe Ser Phe Gly
 85 90 95

Glu Asp Asp Asp Cys Arg Tyr Val Met Ile Phe Lys Lys Glu Phe Ala
 100 105 110

Pro Ser Asp Glu Glu Leu Asp Ser Tyr Arg Arg Gly Glu Glu Trp Asp
 115 120 125

Pro Gln Lys Ala Glu Glu Lys Arg Lys Leu Lys Glu Leu Ala Gln Arg
 130 135 140

Gln Glu Glu Glu Ala Ala Gln Gln Gly Pro Val Val Val Ser Pro Ala
 145 150 155 160

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<210> 357
<211> 90
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (50)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (53)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (59)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (60)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (61)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (64)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (65)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE

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<222> (90)

<223> Xaa equals stop translation

<400> 357

Met Trp Asp Trp Asp Trp Ser Ala Pro Trp Ser Trp Pro Leu Trp Leu
1 5 10 15

Ser Leu Ala Leu Val Cys Leu Ser Ala Gly Ala Lys Gly His Arg Ala
20 25 30

Ser Glu Ala Gly His Ala Arg Ala Leu Thr Cys Glu Met Gly Ser Glu
35 40 45

Phe Xaa Thr Ala Xaa Gly Leu Val Leu Gly Xaa Xaa Xaa Trp Thr Xaa
50 55 60

Xaa Asn Gly Ser Ala Gly Pro Glu Arg Arg Gly Trp Arg Pro Ala Ala
65 70 75 80

Phe Leu Ala Val Phe Leu Leu Gly Asp Xaa
85 90

<210> 358

<211> 48

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (41)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 358

Met Phe Gly Pro Thr Phe His Ser Leu Val Leu Val Pro Pro Trp Pro
1 5 10 15

Asn Leu Ser Leu Leu His Phe Thr Ser Pro Val Gly Gln His Ser Ser
20 25 30

Phe Leu Pro Thr Ser Leu Arg Leu Xaa Lys Lys Lys Lys Lys Lys Lys
35 40 45

<210> 359

<211> 56

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (56)

<223> Xaa equals stop translation

<400> 359

10004560.10001

Met Cys Ser Lys Asn Gly Phe Leu Leu Ala Trp Ser Trp Asn Ser Pro
 1 5 10 15

Trp Leu Pro Gln Ala Ser Leu Ala His Gly Cys Trp Gly Arg Trp Met
 20 25 30

Ser Asp Leu Val Gly Cys Ser Arg Glu Asn Lys Cys Ala Leu Arg Asp
 35 40 45

His Ser Glu Arg Val Gln Gly Xaa
 50 55

<210> 360

<211> 222

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (4)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (222)

<223> Xaa equals stop translation

<400> 360

Ser Pro Leu Xaa Phe Cys Val Val Leu Leu Leu Gln Ala Ala Arg Gly
 1 5 10 15

Tyr Val Val Arg Lys Pro Ala Gln Ser Arg Leu Asp Asp Asp Pro Pro
 20 25 30

Pro Ser Thr Leu Leu Lys Asp Tyr Gln Asn Val Pro Gly Ile Glu Lys
 35 40 45

Val Asp Asp Val Val Lys Arg Leu Leu Ser Leu Glu Met Ala Asn Lys
 50 55 60

Lys Glu Met Leu Lys Ile Lys Gln Glu Gln Phe Met Lys Lys Ile Val
 65 70 75 80

Ala Asn Pro Glu Asp Thr Arg Ser Leu Glu Ala Arg Ile Ile Ala Leu
 85 90 95

Ser Val Lys Ile Arg Ser Tyr Glu Glu His Leu Glu Lys His Arg Lys
 100 105 110

Asp Lys Ala His Lys Arg Tyr Leu Leu Met Ser Ile Asp Gln Arg Lys
 115 120 125

Lys Met Leu Lys Asn Leu Arg Asn Thr Asn Tyr Asp Val Phe Glu Lys
 130 135 140

Ile Cys Trp Gly Leu Gly Ile Glu Tyr Thr Phe Pro Pro Leu Tyr Tyr
 145 150 155 160

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<210> 361
<211> 64
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (64)
<223> Xaa equals stop translation

<400> 361
Met Gly Ala Pro Ala Ala Ser Leu Leu Leu Leu Leu Leu Phe Ala
 1                5                10                15
Cys Cys Trp Ala Pro Gly Gly Ala Asn Leu Ser Gln Asp Asp Ser Gln
          20                25                30
Pro Trp Thr Ser Asp Glu Thr Val Val Ala Gly Gly Thr Val Val Leu
          35                40                45
Lys Cys Gln Val Lys Asp His Glu Asp Ser Ser Leu Gln Trp Ser Xaa
  50                55                60

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<210> 362
<211> 154
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (111)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (124)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
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<222> (125)
 <223> Xaa equals any of the naturally occurring L-amino acids

 <220>
 <221> SITE
 <222> (135)
 <223> Xaa equals any of the naturally occurring L-amino acids

 <220>
 <221> SITE
 <222> (144)
 <223> Xaa equals any of the naturally occurring L-amino acids

 <220>
 <221> SITE
 <222> (154)
 <223> Xaa equals stop translation

 <400> 362
 Met Val Ala Pro Val Trp Tyr Leu Val Ala Ala Ala Leu Leu Val Gly
 1 5 10 15

 Phe Ile Leu Phe Leu Thr Arg Ser Arg Gly Arg Ala Ala Ser Ala Gly
 20 25 30

 Gln Glu Pro Leu His Asn Glu Glu Leu Ala Gly Ala Gly Arg Val Ala
 35 40 45

 Gln Pro Gly Pro Leu Glu Pro Glu Glu Pro Arg Ala Gly Gly Arg Pro
 50 55 60

 Arg Arg Arg Arg Asp Leu Gly Ser Arg Leu Gln Ala Gln Arg Arg Ala
 65 70 75 80

 Gln Arg Val Ala Trp Ala Glu Ala Asp Glu Asn Glu Glu Glu Ala Val
 85 90 95

 Ile Leu Ala Gln Glu Glu Glu Gly Val Glu Lys Pro Ala Glu Xaa His
 100 105 110

 Leu Ser Gly Lys Ile Gly Ala Lys Lys Leu Arg Xaa Xaa Glu Glu Lys
 115 120 125

 Gln Ala Arg Lys Ala Gln Xaa Glu Ala Glu Glu Ala Glu Arg Glu Xaa
 130 135 140

 Arg Lys Arg Leu Glu Ser Gln Arg Glu Xaa
 145 150

 <210> 363
 <211> 17
 <212> PRT
 <213> Homo sapiens

 <220>
 <221> SITE
 <222> (17)

10004350-12001

<223> Xaa equals stop translation

<400> 363

Met	Gln	Lys	Cys	Met	Leu	Ser	Ala	Leu	Val	Phe	His	Ile	Gln	Trp	Ser
1				5				10						15	

Xaa

<210> 364

<211> 10

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (10)

<223> Xaa equals stop translation

<400> 364

Met	Leu	Val	Cys	Ser	Phe	Leu	Phe	Leu	Xaa
1				5				10	

<210> 365

<211> 14

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (14)

<223> Xaa equals stop translation

<400> 365

Val	Ile	Glu	Leu	Cys	Val	Ser	Leu	Arg	Ser	Leu	Asn	Phe	Xaa
1					5					10			

<210> 366

<211> 18

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (5)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (6)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (7)

10004560.120701

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (10)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (18)

<223> Xaa equals stop translation

<400> 366

Met	Cys	Glu	Phe	Xaa	Xaa	Xaa	Ile	Met	Xaa	Leu	Ala	Gly	Tyr	Phe	Ala
1				5					10					15	

Cys Xaa

<210> 367

<211> 62

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (62)

<223> Xaa equals stop translation

<400> 367

Met	Val	Gly	Gly	Tyr	Val	Ser	Ser	Phe	Ser	Phe	Pro	Pro	Val	Ser	Ser
1				5					10					15	

Ser	Leu	Leu	Leu	Pro	Ala	Ser	Phe	Ala	Phe	Pro	Phe	Leu	Pro	Gly	Thr
			20					25					30		

Pro	Cys	Pro	Phe	Leu	Tyr	Phe	Leu	Pro	Ser	Pro	Phe	Ser	Pro	Leu	Pro
		35					40				45				

Leu	Ser	Leu	Thr	Arg	Ser	Asn	Ser	Phe	Leu	Leu	Asn	Gly	Xaa
50						55					60		

<210> 368

<211> 33

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (33)

<223> Xaa equals stop translation

<400> 368

Glu	Lys	Lys	Ser	Met	Ser	Val	Ser	Asp	Ile	Tyr	Ala	Leu	Glu	Ser	Leu
1				5					10				15		

Xaa

```
<220>
<221> SITE
<222> (79)
<223> Xaa equals any of the naturally occurring L-amino acids
```

Ser Pro Leu Val Leu Arg Lys Glu Leu Glu Ser Leu Val Glu Asn Glu
20 25 30

Gly Ser Glu Val Leu Ala Leu Pro Glu Leu Pro Ser Ala His Pro Ile
 . 35 40 45

Ile Phe Trp Asn Leu Leu Trp Tyr Phe Gln Arg Leu Arg Leu Pro Ser
50 55 60

Ile Leu Pro Gly Leu Val Leu Ala Ser Cys Asp Gly Pro Ser Xaa Ser
65 70 75 80

Gln Ala Pro Ser Pro Trp Leu Thr Pro Asp Pro Ala Ser Val Gln Val
85 90 95

Arg Leu Leu Trp Asp Val Leu Thr Pro Asp Pro Asn Ser Cys Pro Pro
100 105 110

Leu Tyr Val Leu Trp Arg Val His Ser Gln Ile Pro Gln Arg Val Val
115 120 125

Trp Pro Gly Pro Val Pro Ala Ser Leu Ser Leu Ala Leu Leu Glu Ser
130 135 140

Val Leu Arg His Val Gly Leu Asn Glu Val His Lys Ala Val Gly Leu
145 150 155 160

Leu Leu Glu Thr Leu Gly Pro Pro Pro Thr Gly Leu His Leu Gln Arg
165 170 175

Gly Ile Tyr Arg Glu Ile Leu Phe Leu Thr Met Ala Ala Leu Gly Lys
180 185 190

Asp His Val Asp Ile Val Ala Phe Asp Lys Lys Tyr Lys Ser Ala Phe
195 200 205

Asn Lys Leu Ala Ser Ser Met Gly Lys Glu Glu Leu Arg His Arg Arg

210

215

220

Ala Gln Met Pro Thr Pro Lys Ala Ile Asp Cys Arg Lys Cys Phe Gly
 225 230 235 240

Ala Pro Pro Glu Cys
 245

<210> 370
 <211> 35
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (35)
 <223> Xaa equals stop translation

<400> 370
 Met Lys Phe Ser Leu Leu Phe Leu Pro Met Leu Leu Ile Leu Lys Pro
 1 5 10 15

Asp Leu Phe His Ile Ser Ile Cys Thr Leu Ala Ala Cys Gly Leu Thr
 20 25 30

Phe Pro Xaa
 35

<210> 371
 <211> 22
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (22)
 <223> Xaa equals stop translation

<400> 371
 Met Leu Phe Phe Phe Ile Leu His Leu Leu Ser Ile Met Ser Phe Leu
 1 5 10 15

Ser Pro Asp Ile Met Xaa
 20

<210> 372
 <211> 98
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (82)
 <223> Xaa equals any of the naturally occurring L-amino acids

10004860-120701

<400> 372

Met Phe Gly Leu Leu Val Glu Ser Gln Thr Leu Leu Glu Glu Asn Ala
 1 5 10 15

Val Gln Gly Thr Glu Arg Thr Leu Gly Leu Asn Ile Ala Pro Phe Ile
 20 25 30

Asn Gln Phe Gln Val Pro Ile Arg Val Phe Leu Asp Leu Ser Ser Leu
 35 40 45

Pro Cys Ile Pro Leu Ser Lys Pro Val Glu Leu Leu Arg Leu Asp Leu
 50 55 60

Met Thr Pro Tyr Leu Asn Thr Ser Asn Arg Glu Val Lys Val Tyr Val
 65 70 75 80

Cys Xaa Ile Trp Glu Asp Leu Thr Ala Ile Pro Phe Trp Val Ser Tyr
 85 90 95

Val Pro

<210> 373

<211> 78

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (7)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (42)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (43)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 373

Met Phe Gly Ala His Arg Xaa Trp Gln Gly Ser Val Leu Leu Phe Leu
 1 5 10 15

Ser Phe Ala Trp Gly Asn Gly Gly Ser Val Thr Phe Ser Asp Val Pro
 20 25 30

Arg Val Met Pro Leu Ala Gly Gly Pro Xaa Xaa Gln Val Ser Ser Thr
 35 40 45

Pro Arg Pro Pro Pro His Gln Val Thr Ser Ser Pro Gly Leu Glu Ser
 50 55 60

Ala His Ile Val Cys Pro Glu Arg Lys Lys Lys Lys Lys Lys
 65 70 75

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<210> 374
 <211> 31
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (4)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (7)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (20)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (25)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (28)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (31)
 <223> Xaa equals stop translation

<400> 374
 Thr Leu Leu Xaa Phe Leu Xaa Leu Leu Thr Thr Glu Gly Gly Arg Glu
 1 5 10 15

Asn Ile Phe Xaa Gly Arg Ile Leu Xaa Leu Gln Xaa Ser Pro Xaa
 20 25 30

<210> 375
 <211> 57
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (32)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (57)

10004350-120701

<223> Xaa equals stop translation

<400> 375

Met Leu Ser Phe Phe Ile Cys Leu Leu Ile Phe Val His Leu Leu Leu
1 5 10 15

Leu Ser Phe Leu Ile Ser Asp Trp Pro Pro Pro Thr Gly Ser Ala Xaa
20 25 30

His Lys Ile Leu Arg Leu Met Val Val Gln Arg Leu Ser Leu Leu Asp
35 40 45

Gln Arg Lys Arg Trp Ser Glu Ala Xaa
50 55

<210> 376

<211> 63

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (14)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 376

Met Cys His His Ala Trp Leu Ile Phe Lys Phe Phe Val Xaa Met Gly
1 5 10 15

Ser His Tyr Val Ala Gln Ala Gly Phe Arg Phe Leu Cys Ser Arg Asp
20 25 30

Ser Ala Asn Leu Ala Pro Gln Ser Ala Gly Ile Thr Asn Val Ser His
35 40 45

Cys Ile Trp Pro Ile Phe Phe Phe Lys Lys Lys Met Gln Arg Cys
50 55 60

<210> 377

<211> 38

<212> PRT

<213> Homo sapiens

<400> 377

Met Thr Met Val Leu Cys Ile Phe Ile Leu Gly His His Ala Arg Glu
1 5 10 15

Asp Pro Pro Ser Asn Gly His Ile Thr Ser Glu Gly Ala Phe Leu Val
20 25 30

Asn Val Gly Ala Pro Gln
35

<210> 378

<211> 98

10004360-120701

<212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (45)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 378
 Met Leu Arg Leu Glu Ala Arg Ala Thr Thr Pro Gly Leu Gln Thr His
 1 5 10 15

Ser Cys Leu Gly Phe Tyr Ile Lys Tyr Glu His Lys Asn Thr Phe Pro
 20 25 30

Lys Tyr Ser Leu Trp Leu Cys Leu Thr Leu Gly Thr Xaa Pro Ser Thr
 35 40 45

Ser Ser Ile Leu Arg Tyr Val Arg Gly Val Tyr Arg Gly Leu Glu Tyr
 50 55 60

Ile Arg Phe Phe Ser Asn Ser Ser Ser Ser Arg Arg Arg Leu Thr Thr
 65 70 75 80

Ser Leu Gly Phe Lys Val Ser Gly Leu Lys Phe Pro Pro Glu Ile Thr
 85 90 95

Ile Arg

<210> 379
 <211> 15
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (15)
 <223> Xaa equals stop translation

<400> 379
 Thr Leu Thr Ser Phe Leu Glu Leu Pro Leu Ala Pro Glu Pro Xaa
 1 5 10 15

<210> 380
 <211> 34
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (34)
 <223> Xaa equals stop translation

<400> 380
 Met His Arg Tyr Ile Thr Phe Phe Lys Cys Phe Arg Ser Val Ile Leu

1000450-12001

1

5

10

15

Asp Leu Leu Phe Ile Leu Ser Pro Leu Ser Gln Gly Cys Phe Ile Leu
 20 25 30

Phe Xaa

<210> 381

<211> 66

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (14)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (62)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 381

Met Phe Gly Phe Ile Phe Leu Leu Leu Ile Phe Cys Ile Xaa Leu Cys
 1 5 10 15

Ser Arg Thr Leu Ser Thr Phe Ile Pro Lys Leu Val Gly Phe Leu Tyr
 20 25 30

Trp Lys Phe Ser Ile Asn Leu Ser Leu Leu Leu Thr Leu Ile Lys Lys
 35 40 45

Lys Lys Lys Lys Lys Lys Thr Pro Arg Gly Gly Pro Gly Xaa Gln Ser
 50 55 60

Pro. Pro

65

<210> 382

<211> 317

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (207)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 382

Met Pro Gly Leu Gly Arg Pro Arg Gln Ala Arg Trp Thr Leu Met Leu
 1 5 10 15

Leu Leu Ser Thr Ala Met Tyr Gly Ala His Ala Pro Leu Leu Ala Leu
 20 25 30

10004850-120704

Cys His Val Asp Gly Arg Val Pro Phe Arg Pro Ser Ser Ala Val Leu
 35 40 45
 Leu Thr Glu Leu Thr Lys Leu Leu Leu Cys Ala Phe Ser Leu Leu Val
 50 55 60
 Gly Trp Gln Ala Trp Pro Gln Gly Pro Pro Pro Trp Arg Gln Ala Ala
 65 70 75 80
 Pro Phe Ala Leu Ser Ala Leu Leu Tyr Gly Ala Asn Asn Asn Leu Val
 85 90 95
 Ile Tyr Leu Gln Arg Tyr Met Asp Pro Ser Thr Tyr Gln Val Leu Ser
 100 105 110
 Asn Leu Lys Ile Gly Ser Thr Ala Val Leu Tyr Cys Leu Cys Leu Arg
 115 120 125
 His Arg Leu Ser Val Arg Gln Gly Leu Ala Leu Leu Leu Met Ala
 130 135 140
 Ala Gly Ala Cys Tyr Ala Ala Gly Gly Leu Gln Val Pro Gly Asn Thr
 145 150 155 160
 Leu Pro Ser Pro Pro Pro Ala Ala Ala Ala Ser Pro Met Pro Leu His
 165 170 175
 Ile Thr Pro Leu Gly Leu Leu Leu Leu Ile Leu Tyr Cys Leu Ile Ser
 180 185 190
 Gly Leu Ser Ser Val Tyr Thr Glu Leu Leu Met Lys Arg Gln Xaa Leu
 195 200 205
 Pro Leu Ala Leu Gln Asn Leu Phe Leu Tyr Thr Phe Gly Val Leu Leu
 210 215 220
 Asn Leu Gly Leu His Ala Gly Gly Gly Ser Gly Pro Gly Leu Leu Glu
 225 230 235 240
 Gly Phe Ser Gly Trp Ala Ala Leu Val Val Leu Ser Gln Ala Leu Asn
 245 250 255
 Gly Leu Leu Met Ser Ala Val Met Lys His Gly Ser Ser Ile Thr Arg
 260 265 270
 Leu Phe Val Val Ser Cys Ser Leu Val Val Asn Ala Val Leu Ser Ala
 275 280 285
 Val Leu Leu Arg Leu Gln Leu Thr Ala Ala Phe Phe Leu Ala Thr Leu
 290 295 300
 Leu Ile Gly Leu Ala Met Arg Leu Tyr Tyr Gly Ser Arg
 305 310 315

<210> 383

<211> 31

<212> PRT

10004360-120701
 10004360-120701

<213> Homo sapiens

<220>

<221> SITE

<222> (20)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (23)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (31)

<223> Xaa equals stop translation

<400> 383

Met	Gly	Glu	Gln	Pro	His	Phe	Ser	Leu	Cys	Val	Leu	Leu	Ala	Ala	Val
1				5				10					15		

Arg	Glu	Asp	Xaa	Asp	Pro	Xaa	Val	Phe	Pro	Cys	Cys	Phe	Leu	Xaa
		20					25						30	

<210> 384

<211> 43

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (43)

<223> Xaa equals stop translation

<400> 384

Met	Ser	Phe	Ile	Ala	Leu	His	Pro	Leu	Leu	Pro	Glu	Ala	Ala	Leu	Gly
1				5				10						15	

Val	Pro	Gly	Gln	Ser	Pro	His	Arg	Pro	Leu	Trp	Gln	Thr	Gln	Cys	Cys
		20					25						30		

Val	Ala	Pro	Pro	Gln	Pro	Arg	Ala	Glu	Phe	Xaa
		35				40				

<210> 385

<211> 255

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (255)

<223> Xaa equals stop translation

<400> 385

Met	Val	Thr	Ala	Leu	Thr	Leu	Leu	Ala	Phe	Pro	Leu	Leu	Leu	Leu	His
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

1	5	10	15
Ala Glu Arg Ile Ser Leu Val Phe Leu Leu Leu Phe Leu Gln Ser Phe	20	25	30
Leu Leu Leu His Leu Leu Ala Ala Gly Ile Pro Val Thr Thr Pro Gly	35	40	45
Pro Phe Thr Val Pro Trp Gln Ala Val Ser Ala Trp Ala Leu Met Ala	50	55	60
Thr Gln Thr Phe Tyr Ser Thr Gly His Gln Pro Val Phe Pro Ala Ile	65	70	75
His Trp His Ala Ala Phe Val Gly Phe Pro Glu Gly His Gly Ser Cys	85	90	95
Thr Trp Leu Pro Ala Leu Leu Val Gly Ala Asn Thr Phe Ala Ser His	100	105	110
Leu Leu Phe Ala Val Gly Cys Pro Leu Leu Leu Leu Trp Pro Phe Leu	115	120	125
Cys Glu Ser Gln Gly Leu Arg Lys Arg Gln Gln Pro Pro Gly Asn Glu	130	135	140
Ala Asp Ala Arg Val Arg Pro Glu Glu Glu Glu Glu Pro Leu Met Glu	145	150	155
Met Arg Leu Arg Asp Ala Pro Gln His Phe Tyr Ala Ala Leu Leu Gln	165	170	175
Leu Gly Leu Lys Tyr Leu Phe Ile Leu Gly Ile Gln Ile Leu Ala Cys	180	185	190
Ala Leu Ala Ala Ser Ile Leu Arg Arg His Leu Met Val Trp Lys Val	195	200	205
Phe Ala Pro Lys Phe Ile Phe Glu Ala Val Gly Phe Ile Val Ser Ser	210	215	220
Val Gly Leu Leu Leu Gly Ile Ala Leu Val Met Arg Val Asp Gly Ala	225	230	235
Val Ser Ser Trp Phe Arg Gln Leu Phe Leu Ala Gln Gln Arg Xaa	245	250	255

<210> 386

<211> 20

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (2)

<223> Xaa equals any of the naturally occurring L-amino acids

10004660-120700

<220>
 <221> SITE
 <222> (20)
 <223> Xaa equals stop translation

<400> 386
 Met Xaa Gly Pro Trp Gly Glu Glu Ala Leu Ile Arg Leu Pro Thr Pro
 1 5 10 15

Ser Gly Leu Xaa
 20

<210> 387
 <211> 64
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (6)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (64)
 <223> Xaa equals stop translation

<400> 387
 Met Ala Thr Leu Glu Xaa Asn Gln Arg Glu Val Asp Arg Glu Ile Arg
 1 5 10 15

Ser Leu Leu Leu Trp Phe Leu Leu Cys Glu Ile Val Ser Gly Trp Leu
 20 25 30

Cys Pro Glu Gly Pro Trp Phe Ser Gln Gly Cys Gln Ile Tyr Lys Asn
 35 40 45

Leu Ser Ser Ser Ser Tyr Asn Leu Ser Phe Leu Leu Ser Leu Xaa
 50 55 60

<210> 388
 <211> 40
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (40)
 <223> Xaa equals stop translation

<400> 388
 Met Ile His Ser Gly Cys Thr Ser Gln Cys Leu Glu Gly Phe Phe Leu
 1 5 10 15

1000460-120701

Ile Phe Leu Leu Asp Phe Asn Pro Val Leu Ala Leu Asp Leu Ile Gly
 20 25 30

Ile Met Arg Lys Ala Ser His Xaa
 35 40

<210> 389
 <211> 35
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (35)
 <223> Xaa equals stop translation

<400> 389
 Met Val Phe Ser Ala Arg Val Ser Leu Tyr Thr Arg Phe Lys Val Ile
 1 5 10 15

Leu Leu Ser Leu Leu Ile Met Ile Leu His Val Cys Trp Val Trp Val
 20 25 30

Ile Leu Xaa
 35

<210> 390
 <211> 11
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (11)
 <223> Xaa equals stop translation

<400> 390
 Gly Leu Leu Tyr Ile Met Tyr Cys Asn Ile Xaa
 1 5 10

<210> 391
 <211> 64
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (64)
 <223> Xaa equals stop translation

<400> 391
 Met Asn Asn Gly Leu Leu Gln Gln Pro Ser Ala Leu Met Leu Leu Pro
 1 5 10 15

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Cys Arg Pro Val Leu Thr Ser Val Ala Leu Asn Ala Asn Phe Val Ser
 20 25 30

Trp Lys Ser Arg Thr Lys Tyr Thr Ile Thr Pro Val Lys Met Arg Lys
 35 40 45

Ser Gly Gly Arg Asp His Thr Gly Gly Asn Lys Asp Arg Gly Ile Xaa
 50 55 60

<210> 392

<211> 19

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (19)

<223> Xaa equals stop translation

<400> 392

Met Arg Lys Gln Arg Leu Val Pro Met Tyr Leu Gly Leu Ile Tyr Ile
 1 5 10 15

Leu Leu Xaa

<210> 393

<211> 43

<212> PRT

<213> Homo sapiens

<400> 393

Met Glu Ile Ser Val Ile Lys Ile Phe Gln Asp Glu Thr Thr Leu Lys
 1 5 10 15

Ile Lys Leu Cys Leu Val Ser Leu Ser Ser Leu Leu Val Ser Leu Leu
 20 25 30

Leu Leu Ile Leu Pro Glu Ser Thr Ser Leu Trp
 35 40

<210> 394

<211> 17

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (17)

<223> Xaa equals stop translation

<400> 394

10004860-120701

Leu Leu Leu Pro Val Leu Ala Ser Ser Val Pro Ser His Ser Ala Thr
 1 5 10 15

Xaa

<210> 395
 <211> 84
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (84)
 <223> Xaa equals stop translation

<400> 395
 Met Leu Pro Leu Leu Leu Phe Thr Tyr Leu Asn Ser Phe Leu His Gln
 1 5 10 15

Arg Ile Pro Gln Ser Val Arg Ile Leu Gly Ser Leu Val Ala Ile Leu
 20 25 30

Leu Val Phe Leu Ile Thr Ala Ile Leu Val Lys Val Gln Leu Asp Ala
 35 40 45

Leu Pro Phe Phe Val Ile Thr Met Ile Lys Ile Val Leu Ile Asn Ser
 50 55 60

Phe Gly Ala Ile Leu Gln Gly Ser Leu Phe Gly Leu Ala Gly Leu Leu
 65 70 75 80

Pro Ala Ser Xaa

<210> 396
 <211> 21
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (19)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (21)
 <223> Xaa equals stop translation

<400> 396
 Met Lys Leu Ser Leu Phe Leu Ile Leu Ser Asp Val Phe Tyr Leu Gly
 1 5 10 15

Ser Pro Xaa Thr Xaa
 20

10004860-120701

<210> 397
 <211> 29
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (29)
 <223> Xaa equals stop translation

<400> 397
 Met Gly Thr Arg Arg Lys Gly Val Ala Trp Leu Ser Leu Ala Pro Leu
 1 5 10 15

Ile Thr Gly Leu Ala Pro Ala His Ile Thr Ala Val Xaa
 20 25

<210> 398
 <211> 34
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (34)
 <223> Xaa equals stop translation

<400> 398
 Met Lys Asp Leu Leu Gln Arg Asn Pro Trp Lys Asn Ser Leu Leu Leu
 1 5 10 15

Leu Gln Val Cys Gln Ala Phe Leu Val Cys Ser Leu Thr Gln Leu Ala
 20 25 30

Val Xaa

<210> 399
 <211> 47
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (47)
 <223> Xaa equals stop translation

<400> 399
 Met Ser Glu Ser His Lys Ile Trp Trp Cys Tyr Arg His Leu Ala Phe
 1 5 10 15

Pro Leu Leu Thr Leu Ile Leu Tyr Pro Ala Thr Leu Gly Arg Ser Val
 20 25 30

10004850 120704


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<210> 400
<211> 25
<212> PRT
<213> Homo sapiens
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<220>
<221> SITE
<222> (21)
<223> Xaa equals any of the naturally occurring L-amino acids
```

```
<220>
<221> SITE
<222> (25)
<223> Xaa equals stop translation
```

```
<400> 400
Met Leu Asn Arg Ile Met Val Ala Ser Phe Gly Ala Val Leu Val Gln
  1             5             10             15
```

Val Cys Arg Gly Xaa Gly Gln Gly Xaa
20 25

```
<210> 401
<211> 68
<212> PRT
<213> Homo sapiens
```

```
<220>  
<221> SITE  
<222> (68)  
<223> Xaa equals stop translation
```

```
<400> 401
Met Gln Leu Leu Leu Leu Gly Leu Ile Arg Ser Gln Pro Ser Pro Pro
  1             5             10             15
```

Pro Ser Leu Cys Leu Met Leu Cys Pro Cys Leu Pro Cys Leu Arg Tyr
20 25 30

Ser Pro Phe Val Pro Gln His Pro Cys Pro Leu Pro Leu Asp Leu Cys
35 40 45

Leu Ala Gly Cys Ser Ser Leu Ser Val Gln Asp Lys Cys Ser Trp Pro
50 55 60

Tyr Pro Ile Xaa
65

```
<210> 402
<211> 85
<212> PRT
<213> Homo sapiens
```

<400> 402

Met Lys Asp Ser Leu Cys Arg Val Ser Phe Leu Lys Asn Gln Ile Phe
 1 5 10 15

Leu Ser Tyr Ile Thr Leu Val Leu Ile Gly His Ala His Phe Ser Gly
 20 25 30

Val Pro His Tyr Asn Val Ser Phe Val Leu Arg Ile Asn Leu Gln Lys
 35 40 45

His Leu Lys Ile Thr Thr Ser Asn Gly Ile Glu Ser Lys Lys Thr Gly
 50 55 60

Glu Arg Gly Glu Thr Met Phe Phe Arg Thr Arg Gly Ser Thr His Ala
 65 70 75 80

Ser Ala Asp Ala Trp
 85

<210> 403

<211> 82

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (15)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 403

Met Gly Gly Ser Leu Leu Pro Gln Val Ser Ala Ala Val Leu Xaa Leu
 1 5 10 15

Asp Gly Leu Leu Leu Pro Gly Leu Lys Gly Cys Gly Pro Leu Arg Val
 20 25 30

Ser Phe Pro Gln Ala Lys Phe Lys Ala Ala Ala Leu Cys Glu Ala Leu
 35 40 45

Leu Ala Leu Gly Trp Arg Glu Asn Phe Lys Leu Phe Cys Ser Gln Gly
 50 55 60

Arg Gly Met Gly Pro Gly Cys Arg Cys Pro His Ser Ala Asn Glu Ser
 65 70 75 80

Phe Val

<210> 404

<211> 286

<212> PRT

<213> Homo sapiens

<400> 404

Met Ala Met Glu Gly Tyr Trp Arg Phe Leu Ala Leu Leu Gly Ser Ala

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1	5	10	15
Leu Leu Val Gly Phe Leu Ser Val Ile Phe Ala Leu Val Trp Val Leu	20	25	30
His Tyr Arg Glu Gly Leu Gly Trp Asp Gly Ser Ala Leu Glu Phe Asn	35	40	45
Trp His Pro Val Leu Met Val Thr Gly Phe Val Phe Ile Gln Gly Ile	50	55	60
Ala Ile Ile Val Tyr Arg Leu Pro Trp Thr Trp Lys Cys Ser Lys Leu	65	70	80
Leu Met Lys Ser Ile His Ala Gly Leu Asn Ala Val Ala Ala Ile Leu	85	90	95
Ala Ile Ile Ser Val Val Ala Val Phe Glu Asn His Asn Val Asn Asn	100	105	110
Ile Ala Asn Met Tyr Ser Leu His Ser Trp Val Gly Leu Ile Ala Val	115	120	125
Ile Cys Tyr Leu Leu Gln Leu Leu Ser Gly Phe Ser Val Phe Leu Leu	130	135	140
Pro Trp Ala Pro Leu Ser Leu Arg Ala Phe Leu Met Pro Ile His Val	145	150	160
Tyr Ser Gly Ile Val Ile Phe Gly Thr Val Ile Ala Thr Ala Leu Met	165	170	175
Gly Leu Thr Glu Lys Leu Ile Phe Ser Leu Arg Asp Pro Ala Tyr Ser	180	185	190
Thr Phe Pro Pro Glu Gly Val Phe Val Asn Thr Leu Gly Leu Leu Ile	195	200	205
Leu Val Phe Gly Ala Leu Ile Phe Trp Ile Val Thr Arg Pro Gln Trp	210	215	220
Lys Arg Pro Lys Glu Pro Asn Ser Thr Ile Leu His Pro Asn Gly Gly	225	230	240
Thr Glu Gln Gly Ala Arg Gly Ser Met Pro Ala Tyr Ser Gly Asn Asn	245	250	255
Met Asp Lys Ser Asp Ser Glu Leu Asn Ser Glu Val Ala Ala Arg Lys	260	265	270
Arg Asn Leu Ala Leu Asp Glu Ala Gly Gln Arg Ser Thr Met	275	280	285

210> 405

211> 154

212> PRT

213> Homo sapiens

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<220>
 <221> SITE
 <222> (68)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (72)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (83)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (103)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (110)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (121)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (123)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (126)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (134)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (154)
 <223> Xaa equals stop translation

<400> 405
 Met Thr Lys Ala Arg Leu Phe Arg Leu Trp Leu Val Leu Gly Ser Val
 1 5 10 15

Phe Met Ile Leu Leu Ile Ile Val Tyr Trp Asp Ser Ala Gly Ala Ala
 20 25 30

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His Phe Tyr Leu His Thr Ser Phe Ser Arg Pro His Thr Gly Pro Pro
35 40 45

Leu Pro Thr Pro Gly Pro Asp Arg Asp Arg Glu Leu Thr Ala Asp Ser
50 55 60

Asp Val Asp Xaa Phe Leu Asp Xaa Phe Leu Ser Ala Gly Val Lys Gln
65 70 75 80

Ser Asp Xaa Pro Arg Lys Glu Thr Glu Gln Pro Pro Ala Pro Gly Ser
85 90 95

Met Glu Glu Ser Val Arg Xaa Tyr Asp Trp Ser Pro Arg Xaa Ala Arg
100 105 110

Arg Thr Gln Thr Arg Ala Gly Ser Xaa Arg Xaa Gly Gly Xaa Cys Cys
115 120 125

Gly Ala Ser Ala Pro Xaa Pro Ala Trp Pro Ser Pro Pro Arg Ser Ala
130 135 140

His Ser Thr Thr Ser Pro Thr Arg Ser Xaa
145 150

<210> 406
<211> 37
<212> PRT
<213> Homo sapiens

<400> 406
Met Leu Leu Leu Ile Val Leu Val Ala Asn Ile Leu Ser Met Ser Asn
1 5 10 15

Met Ser Asn Ala Val Val Ser Asp Leu His Ile Leu Val His Leu Ile
20 25 30

Ser His Lys Ala Asn
35

<210> 407
<211> 60
<212> PRT
<213> Homo sapiens

<400> 407
Met Cys Ile His Val Phe Met Ser Val Leu Trp Val Leu Phe Leu Leu
1 5 10 15

Asn Pro Leu Cys Thr Gly Leu Trp Pro Leu Val Asn Cys Phe Ser Val
20 25 30

Leu Arg His Ala Asp Trp Val Leu Gly Ala Asp Tyr Lys Gly Glu Glu
35 40 45

Leu Asn Arg His Gln Gly Pro Met Lys Pro Lys Asp
50 55 60

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<220>  
<221> SITE  
<222> (447)  
<223> Xaa equals stop translation
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Met Leu Leu Gly Leu Leu Met Ala Ala Cys Phe Thr Phe Cys Leu Ser
1 5 10 15

Thr Lys Glu Thr Glu Arg Lys Glu Thr Lys Ala Glu Glu Glu Leu Asp
35 40 45

Gln Pro Gly Gln Ala Val Pro Ala Gly Ser His Val Arg Leu Asn Leu
65 70 75 80

Asn Asn Leu Lys Gly Lys Arg Leu Asp Ile Asn Thr Asn Thr Tyr Thr
100 105 110

Met Glu Ser Ser Lys Glu Asp Lys Ala Arg Gln Ala Glu Val Lys Arg
130 135 140

Leu Phe Arg Pro Ile Glu Glu Leu Lys Lys Asp Phe Asp Glu Leu Asn
145 150 155 160

Val Val Ile Glu Thr Asp Met Gln Ile Met Val Arg Leu Ile Asn Lys
165 170 175

Phe Asn Ser Ser Ser Ser Ser Leu Glu Glu Lys Ile Ala Ala Leu Phe
180 185 190

Asp Leu Glu Tyr Tyr Val His Gln Met Asp Asn Ala Gln Asp Leu Leu
195 200 205

Ser Phe Gly Gly Leu Gln Val Val Ile Asn Gly Leu Asn Ser Thr Glu
210 215 220

Pro Leu Val Lys Glu Tyr Ala Ala Phe Val Leu Gly Ala Ala Phe Ser
225 230 235 240

Ser Asn Pro Lys Val Gln Val Glu Ala Ile Glu Gly Gly Ala Leu Gln
245 250 255

Lys Leu Leu Val Ile Leu Ala Thr Glu Gln Pro Leu Thr Ala Lys Lys
260 265 270

Lys Val Leu Phe Ala Leu Cys Ser Leu Leu Arg His Phe Pro Tyr Ala
275 280 285

Gln Arg Gln Phe Leu Lys Leu Gly Gly Leu Gln Val Leu Arg Thr Leu
290 295 300

Val Gln Glu Lys Gly Thr Glu Val Leu Ala Val Arg Val Val Thr Leu
305 310 315 320

Leu Tyr Asp Leu Val Thr Glu Lys Met Phe Ala Glu Glu Glu Ala Glu
325 330 335

Leu Thr Gln Glu Met Ser Pro Glu Lys Leu Gln Gln Tyr Arg Gln Val
340 345 350

His Leu Leu Pro Gly Leu Trp Glu Gln Gly Trp Cys Glu Ile Thr Ala
355 360 365

His Leu Leu Ala Leu Pro Glu His Asp Ala Arg Glu Lys Val Leu Gln
370 375 380

Thr Leu Gly Val Leu Leu Thr Thr Cys Arg Asp Arg Tyr Arg Gln Asp
385 390 395 400

Pro Gln Leu Gly Arg Thr Leu Ala Ser Leu Gln Ala Glu Tyr Gln Val
405 410 415

Leu Ala Ser Leu Glu Leu Gln Asp Gly Glu Asp Glu Gly Tyr Phe Gln
420 425 430

Glu Leu Leu Gly Ser Val Asn Ser Leu Leu Lys Glu Leu Arg Xaa
435 440 445

<210> 409

<211> 64

<212> PRT

<213> Homo sapiens

<400> 409

Met Leu Tyr Ser Asp Leu Lys Leu Val Arg Cys His Asn Gly Pro Val
1 5 10 15

His Val Ile Ser Val Tyr Thr Thr Pro Pro Asp Pro Ser Asn Pro Tyr
20 25 30

Asn Thr Pro Pro Leu Phe Ala Ser Cys Met Val Ile Ser Tyr Val Thr
35 40 45

Phe Thr Pro Val Ser Ala Asp Cys Phe Phe Asn Val Leu Val Cys Phe
50 55 60

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<210> 410
 <211> 24
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (24)
 <223> Xaa equals stop translation

<400> 410
 Glu Leu Leu Phe Leu Leu Ile Ile Ile Leu Gly Glu Ser Leu Ser Asp
 1 5 10 15
 Val Ile Leu Leu Ile Cys Phe Xaa
 20

<210> 411
 <211> 35
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (35)
 <223> Xaa equals stop translation

<400> 411
 Met Phe Tyr Trp Gly Gly Leu Ser Phe Tyr Phe Leu Leu Ser Ser Gly
 1 5 10 15
 Val Gly Phe Tyr Cys Phe Leu Phe Gly Phe Gly Met Glu Ile Trp Ile
 20 25 30

Ala Ala Xaa
 35

<210> 412
 <211> 41
 <212> PRT
 <213> Homo sapiens

<400> 412
 Met Gly Lys Val Gly Trp Leu Met Val Gly Gly Val Ala Pro Gly Ile
 1 5 10 15
 Arg Gly Gly Trp Gly Trp Thr Leu Gly Ile Met Val Gly Gly Ala Ile
 20 25 30

Ala His Cys Cys Cys Cys Leu Ile Arg
 35 40

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<210> 413
 <211> 25
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (25)
 <223> Xaa equals stop translation

<400> 413
 Met Lys Leu Ser Leu Leu Ile Leu Thr Leu Met Gln Arg Tyr Phe Arg
 1 5 10 15

Thr Ile Thr Asn Ser Leu Cys Lys Xaa
 20 25

<210> 414
 <211> 79
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (79)
 <223> Xaa equals stop translation

<400> 414
 Met Pro Ala Val Ser Gly Pro Gly Pro Leu Phe Cys Leu Leu Leu Leu
 1 5 10 15

Leu Leu Asp Pro His Ser Pro Glu Thr Gly Cys Pro Pro Leu Arg Arg
 20 25 30

Phe Glu Tyr Lys Leu Ser Phe Lys Gly Pro Arg Leu Ala Leu Pro Gly
 35 40 45

Ala Gly Ile Pro Phe Trp Ser His His Gly Gly Glu Gly Gln Gly Trp
 50 55 60

Gly Pro Leu Cys Pro Gly Ser Leu Lys Val Leu Glu Gly Leu Xaa
 65 70 75

<210> 415
 <211> 51
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (20)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE

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<222> (28)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 415

Met His Tyr Leu Leu Lys Glu Cys Asp Ile Asp Thr Asp Ala Tyr Phe
 1 5 10 15

Phe Phe Phe Xaa Leu Leu Val Leu Phe Leu Pro Xaa Lys Tyr Ser Pro
 20 25 30

Pro Phe Tyr Ser Ile Val Leu Phe Arg Trp Asn Asp Ser Tyr Lys Ile
 35 40 45

Ser His Tyr
 50

<210> 416

<211> 257

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (100)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 416

Met Ala Ala Leu Thr Ser His Leu Gln Asn Gln Ser Asn Asn Ser Asn
 1 5 10 15

Trp Asn Leu Arg Thr Arg Ser Lys Cys Lys Lys Asp Val Phe Met Pro
 20 25 30

Pro Ser Ser Ser Ser Glu Leu Gln Glu Ser Arg Gly Leu Ser Asn Phe
 35 40 45

Thr Ser Thr His Leu Leu Leu Lys Glu Asp Glu Gly Val Asp Asp Val
 50 55 60

Asn Phe Arg Lys Val Arg Lys Pro Lys Gly Lys Val Thr Ile Leu Lys
 65 70 75 80

Gly Ile Pro Ile Lys Lys Thr Lys Lys Gly Cys Arg Lys Ser Cys Ser
 85 90 95

Gly Phe Val Xaa Ser Asp Ser Lys Arg Glu Ser Val Cys Asn Lys Ala
 100 105 110

Asp Ala Glu Ser Glu Pro Val Ala Gln Lys Ser Gln Leu Asp Arg Thr
 115 120 125

Val Cys Ile Ser Asp Ala Gly Ala Cys Gly Glu Thr Leu Ser Val Thr
 130 135 140

Ser Glu Glu Asn Ser Leu Val Lys Lys Lys Glu Arg Ser Leu Ser Ser
 145 150 155 160

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Gly Ser Asn Phe Cys Ser Glu Gln Lys Thr Ser Gly Ile Ile Asn Lys
 165 170 175

Phe Cys Ser Ala Lys Asp Ser Glu His Asn Glu Lys Tyr Glu Asp Thr
 180 185 190

Phe Leu Glu Ser Glu Glu Ile Gly Thr Lys Val Glu Val Val Glu Arg
 195 200 205

Lys Glu His Leu His Thr Asp Ile Leu Lys Arg Gly Ser Glu Met Asp
 210 215 220

Asn Asn Cys Ser Pro Thr Arg Lys Asp Phe Thr Glu Asp Thr Ile Pro
 225 230 235 240

Arg Asn Thr Asp Arg Lys Lys Glu Asn Lys Pro Val Phe Phe Gln Gln
 245 250 255

Ile

<210> 417

<211> 424

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (144)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (263)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 417

Met Glu Lys Gln Cys Cys Ser His Pro Val Ile Cys Ser Leu Ser Thr
 1 5 10 15

Met Tyr Thr Phe Leu Leu Gly Ala Ile Phe Ile Ala Leu Ser Ser Ser
 20 25 30

Arg Ile Leu Leu Val Lys Tyr Ser Ala Asn Glu Glu Asn Lys Tyr Asp
 35 40 45

Tyr Leu Pro Thr Thr Val Asn Val Cys Ser Glu Leu Val Lys Leu Val
 50 55 60

Phe Cys Val Leu Val Ser Phe Cys Val Ile Lys Lys Asp His Gln Ser
 65 70 75 80

Arg Asn Leu Lys Tyr Ala Ser Trp Lys Glu Phe Ser Asp Phe Met Lys
 85 90 95

Trp Ser Ile Pro Ala Phe Leu Tyr Phe Leu Asp Asn Leu Ile Val Phe
 100 105 110

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Tyr Val Leu Ser Tyr Leu Gln Pro Ala Met Ala Val Ile Phe Ser Asn
 115 120 125
 Phe Ser Ile Ile Thr Thr Ala Leu Leu Phe Arg Ile Val Leu Lys Xaa
 130 135 140
 Arg Leu Asn Trp Ile Gln Trp Ala Ser Leu Leu Thr Leu Phe Leu Ser
 145 150 155 160
 Ile Val Ala Leu Thr Ala Gly Thr Lys Thr Leu Gln His Asn Leu Ala
 165 170 175
 Gly Arg Gly Phe His His Asp Ala Phe Phe Ser Pro Ser Asn Ser Cys
 180 185 190
 Leu Leu Phe Arg Asn Glu Cys Pro Arg Lys Asp Asn Cys Thr Ala Lys
 195 200 205
 Glu Trp Thr Phe Pro Glu Ala Lys Trp Asn Thr Thr Ala Arg Val Phe
 210 215 220
 Ser His Ile Arg Leu Gly Met Gly His Val Leu Ile Ile Val Gln Cys
 225 230 235 240
 Phe Ile Ser Ser Met Ala Asn Ile Tyr Asn Glu Lys Ile Leu Lys Glu
 245 250 255
 Gly Asn Gln Leu Thr Glu Xaa Ile Phe Ile Gln Asn Ser Lys Leu Tyr
 260 265 270
 Phe Phe Gly Ile Leu Phe Asn Gly Leu Thr Leu Gly Leu Gln Arg Ser
 275 280 285
 Asn Arg Asp Gln Ile Lys Asn Cys Gly Phe Phe Tyr Gly His Ser Ala
 290 295 300
 Phe Ser Val Ala Leu Ile Phe Val Thr Ala Phe Gln Gly Leu Ser Val
 305 310 315 320
 Ala Phe Ile Leu Lys Phe Leu Asp Asn Met Phe His Val Leu Met Ala
 325 330 335
 Gln Val Thr Thr Val Ile Ile Thr Thr Val Ser Val Leu Val Phe Asp
 340 345 350
 Phe Arg Pro Ser Leu Glu Phe Phe Leu Glu Ala Pro Ser Val Leu Leu
 355 360 365
 Ser Ile Phe Ile Tyr Asn Ala Ser Lys Pro Gln Val Pro Glu Tyr Ala
 370 375 380
 Pro Arg Gln Glu Arg Ile Arg Asp Leu Ser Gly Asn Leu Trp Glu Arg
 385 390 395 400
 Ser Ser Gly Asp Gly Glu Glu Leu Glu Arg Leu Thr Lys Pro Lys Ser
 405 410 415

10004560120701

Asp Glu Ser Asp Glu Asp Thr Phe
420

<210> 418
<211> 33
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (33)
<223> Xaa equals stop translation

<400> 418
Met Trp Gly Gln Gly Ser Gln Lys Ser His Phe Ser Asp Leu Val Phe
1 5 10 15
Gly Val Arg Glu Leu Cys Ala Gln Pro Ser Asp Pro Gly Ser Pro His
20 25 30

Xaa

<210> 419
<211> 80
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (53)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (80)
<223> Xaa equals stop translation

<400> 419
Met Val Gln His Ile Gln Pro Ala Ala Leu Ser Leu Leu Ala Gln Trp
1 5 10 15
Ser Thr Leu Val Gln Glu Leu Glu Ala Ala Leu Gln Leu Ala Phe Tyr
20 25 30
Pro Asp Ala Val Glu Glu Trp Leu Glu Glu Asn Val His Pro Ser Leu
35 40 45
Gln Arg Leu Gln Xaa Leu Leu Gln Asp Leu Ser Glu Val Ser Ala Pro
50 55 60
Pro Leu Pro Pro Thr Ser Pro Gly Arg Asp Val Ala Gln Asp Pro Xaa
65 70 75 80

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<210> 420
 <211> 95
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (82)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (83)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (95)
 <223> Xaa equals stop translation

<400> 420
 Met Leu Asn Gln Gly Tyr Ile Arg Lys Ile Ile Leu Ile Ile Ile Leu
 1 5 10 15
 Gly Ser Phe Ser Ser Pro Lys Lys Ala Ile Leu Met Gly Phe Gln Asn
 20 25 30
 Gln Lys Lys Ala Leu Asn Glu Glu Gln Thr Thr Gly Val Pro Met Ser
 35 40 45
 Ile Ser Gly Lys Leu Arg Pro Ser Arg Ser Leu Asp Phe Val Gln Pro
 50 55 60
 Pro Arg Phe Gln Ser Gln Gln Pro Ser Ala Val Val Asp Arg Arg Gly
 65 70 75 80
 Phe Xaa Xaa Lys Ala Ala Arg Gly Gln Glu Phe Ser Glu Ser Xaa
 85 90 95

<210> 421
 <211> 257
 <212> PRT
 <213> Homo sapiens

<400> 421
 Met Arg Gly Pro Ala Gln Ala Lys Leu Leu Pro Gly Ser Ala Ile Gln
 1 5 10 15
 Ala Leu Val Gly Leu Ala Arg Pro Leu Val Leu Ala Leu Leu Val
 20 25 30
 Ser Ala Ala Leu Ser Ser Val Val Ser Arg Thr Asp Ser Pro Ser Pro
 35 40 45
 Thr Val Leu Asn Ser His Ile Ser Thr Pro Asn Val Asn Ala Leu Thr

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50 55 60

His Glu Asn Gln Thr Lys Pro Ser Ile Ser Gln Ile Ser Thr Thr Leu
65 70 75 80

Pro Pro Thr Thr Ser Thr Lys Lys Ser Gly Gly Ala Ser Val Val Pro
85 90 95

His Pro Ser Pro Thr Pro Leu Ser Gln Glu Glu Ala Asp Asn Asn Glu
100 105 110

Asp Pro Ser Ile Glu Glu Glu Asp Leu Leu Met Leu Asn Ser Ser Pro
115 120 125

Ser Thr Ala Lys Asp Thr Leu Asp Asn Gly Asp Tyr Gly Glu Pro Asp
130 135 140

Tyr Asp Trp Thr Thr Gly Pro Arg Asp Asp Asp Glu Ser Asp Asp Thr
145 150 155 160

Leu Glu Glu Asn Arg Gly Tyr Met Glu Ile Glu Gln Ser Val Lys Ser
165 170 175

Phe Lys Met Pro Ser Ser Asn Ile Glu Glu Glu Asp Ser His Phe Phe
180 185 190

Phe His Leu Ile Ile Phe Ala Phe Cys Ile Ala Val Val Tyr Ile Thr
195 200 205

Tyr His Asn Lys Arg Lys Ile Phe Leu Leu Val Gln Ser Arg Lys Trp
210 215 220

Arg Asp Gly Leu Cys Ser Lys Thr Val Glu Tyr His Arg Leu Asp Gln
225 230 235 240

Asn Val Asn Glu Ala Met Pro Ser Leu Lys Ile Thr Asn Asp Tyr Ile
245 250 255

Phe

<210> 422
<211> 704
<212> PRT
<213> Homo sapiens

<400> 422
Met Trp Tyr Arg Leu Arg Leu Leu Lys Pro Gln Pro Asn Ile Ile Pro
1 5 10 15

Thr Val Lys Lys Ile Val Leu Leu Ala Gly Trp Ala Leu Phe Leu Phe
20 25 30

Leu Ala Tyr Lys Val Ser Lys Thr Asp Arg Glu Tyr Gln Glu Tyr Asn
35 40 45

Pro Tyr Glu Val Leu Asn Leu Asp Pro Gly Ala Thr Val Ala Glu Ile

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50	55	60
Lys Lys Gln Tyr Arg Leu Leu Ser Leu Lys Tyr His Pro Asp Lys Gly		
65	70	75 80
Gly Asp Glu Val Met Phe Met Arg Ile Ala Lys Ala Tyr Ala Ala Leu		
	85	90 95
Thr Asp Glu Glu Ser Arg Lys Asn Trp Glu Glu Phe Gly Asn Pro Asp		
	100	105 110
Gly Pro Gln Ala Thr Ser Phe Gly Ile Ala Leu Pro Ala Trp Ile Val		
	115	120 125
Asp Gln Lys Asn Ser Ile Leu Val Leu Leu Val Tyr Gly Leu Ala Phe		
	130	135 140
Met Val Ile Leu Pro Val Val Val Gly Ser Trp Trp Tyr Arg Ser Ile		
	145	150 155 160
Arg Tyr Ser Gly Asp Gln Ile Leu Ile Arg Thr Thr Gln Ile Tyr Thr		
	165	170 175
Tyr Phe Val Tyr Lys Thr Arg Asn Met Asp Met Lys Arg Leu Ile Met		
	180	185 190
Val Leu Ala Gly Ala Ser Glu Phe Asp Pro Gln Tyr Asn Lys Asp Ala		
	195	200 205
Thr Ser Arg Pro Thr Asp Asn Ile Leu Ile Pro Gln Leu Ile Arg Glu		
	210	215 220
Ile Gly Ser Ile Asn Leu Lys Lys Asn Glu Pro Pro Leu Thr Cys Pro		
	225	230 235 240
Tyr Ser Leu Lys Ala Arg Val Leu Leu Leu Ser His Leu Ala Arg Met		
	245	250 255
Lys Ile Pro Glu Thr Leu Glu Glu Asp Gln Gln Phe Met Leu Lys Lys		
	260	265 270
Cys Pro Ala Leu Leu Gln Glu Met Val Asn Val Ile Cys Gln Leu Ile		
	275	280 285
Val Met Ala Arg Asn Arg Glu Glu Arg Glu Phe Arg Ala Pro Thr Leu		
	290	295 300
Ala Ser Leu Glu Asn Cys Met Lys Leu Ser Gln Met Ala Val Gln Gly		
	305	310 315 320
Leu Gln Gln Phe Lys Ser Pro Leu Leu Gln Leu Pro His Ile Glu Glu		
	325	330 335
Asp Asn Leu Arg Arg Val Ser Asn His Lys Lys Tyr Lys Ile Lys Thr		
	340	345 350
Ile Gln Asp Leu Val Ser Leu Lys Glu Ser Asp Arg His Thr Leu Leu		
	355	360 365

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His Phe Leu Glu Asp Glu Lys Tyr Glu Glu Val Met Ala Val Leu Gly
 370 375 380
 Ser Phe Pro Tyr Val Thr Met Asp Ile Lys Ser Gln Val Leu Asp Asp
 385 390 395 400
 Glu Asp Ser Asn Asn Ile Thr Val Gly Ser Leu Val Thr Val Leu Val
 405 410 415
 Lys Leu Thr Arg Gln Thr Met Ala Glu Val Phe Glu Lys Glu Gln Ser
 420 425 430
 Ile Cys Ala Ala Glu Glu Gln Pro Ala Glu Asp Gly Gln Gly Glu Thr
 435 440 445
 Asn Lys Asn Arg Thr Lys Gly Gly Trp Gln Gln Lys Ser Lys Gly Pro
 450 455 460
 Lys Lys Thr Ala Lys Ser Lys Lys Lys Lys Pro Leu Lys Lys Lys Pro
 465 470 475 480
 Thr Pro Val Leu Leu Pro Gln Ser Lys Gln Gln Lys Gln Lys Gln Ala
 485 490 495
 Asn Gly Val Val Gly Asn Glu Ala Ala Val Lys Glu Asp Glu Glu Glu
 500 505 510
 Val Ser Asp Lys Gly Ser Asp Ser Glu Glu Glu Glu Thr Asn Arg Asp
 515 520 525
 Ser Gln Ser Glu Lys Asp Asp Gly Ser Asp Arg Asp Ser Asp Arg Glu
 530 535 540
 Gln Asp Glu Lys Gln Asn Lys Asp Asp Glu Ala Glu Trp Gln Glu Leu
 545 550 555 560
 Gln Gln Ser Ile Gln Arg Lys Glu Arg Ala Leu Leu Glu Thr Lys Ser
 565 570 575
 Lys Ile Thr His Pro Val Tyr Ser Leu Tyr Phe Pro Glu Glu Lys Gln
 580 585 590
 Glu Trp Trp Trp Leu Tyr Ile Ala Asp Arg Lys Glu Gln Thr Leu Ile
 595 600 605
 Ser Met Pro Tyr His Val Cys Thr Leu Lys Asp Thr Glu Glu Val Glu
 610 615 620
 Leu Lys Phe Pro Ala Pro Gly Lys Pro Gly Asn Tyr Gln Tyr Thr Val
 625 630 635 640
 Phe Leu Arg Ser Asp Ser Tyr Met Gly Leu Asp Gln Ile Lys Pro Leu
 645 650 655
 Lys Leu Glu Val His Glu Ala Lys Pro Val Pro Glu Asn His Pro Gln
 660 665 670

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Trp Asp Thr Ala Ile Glu Gly Asp Glu Asp Gln Glu Asp Ser Glu Gly
675 680 685

Phe Glu Asp Ser Phe Glu Glu Glu Glu Glu Glu Glu Asp Asp Asp
690 695 700

<210> 423

<211> 190

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (29)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (31)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 423

Met Lys Ala Ser Gln Cys Cys Cys Cys Leu Ser His Leu Leu Ala Ser
1 5 10 15

Val Leu Leu Leu Leu Leu Leu Pro Glu Leu Ser Gly Xaa Leu Xaa Val
20 25 30

Leu Leu Gln Ala Ala Glu Ala Ala Pro Gly Leu Gly Pro Pro Asp Pro
35 40 45

Arg Pro Arg Thr Leu Pro Pro Leu Pro Pro Gly Pro Thr Pro Ala Gln
50 55 60

Gln Pro Gly Arg Gly Leu Ala Glu Ala Ala Gly Pro Arg Gly Ser Glu
65 70 75 80

Gly Gly Asn Gly Ser Asn Pro Val Ala Gly Leu Glu Thr Asp Asp His
85 90 95

Gly Gly Lys Ala Gly Glu Gly Ser Val Gly Gly Gly Leu Ala Val Ser
100 105 110

Pro Asn Pro Gly Asp Lys Pro Met Thr Gln Arg Ala Leu Thr Val Leu
115 120 125

Met Val Val Ser Gly Ala Val Leu Val Tyr Phe Val Val Arg Thr Val
130 135 140

Arg Met Arg Arg Arg Asn Arg Lys Thr Arg Arg Tyr Gly Val Leu Asp
145 150 155 160

Thr Asn Ile Glu Asn Met Glu Leu Thr Pro Leu Glu Gln Asp Asp Glu
165 170 175

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Asp Asp Asp Asn Thr Leu Phe Asp Ala Asn His Pro Arg Arg
 180 185 190

<210> 424
 <211> 179
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (179)
 <223> Xaa equals stop translation

<400> 424
 Met Ser Pro Ser Gly Arg Leu Cys Leu Leu Thr Ile Val Gly Leu Ile
 1 5 10 15
 Leu Pro Thr Arg Gly Gln Thr Leu Lys Asp Thr Thr Ser Ser Ser Ser
 20 25 30
 Ala Asp Ser Thr Ile Met Asp Ile Gln Val Pro Thr Arg Ala Pro Asp
 35 40 45
 Ala Val Tyr Thr Glu Leu Gln Pro Thr Ser Pro Thr Pro Thr Trp Pro
 50 55 60
 Ala Asp Glu Thr Pro Gln Pro Gln Thr Gln Thr Gln Gln Leu Glu Gly
 65 70 75 80
 Thr Asp Gly Pro Leu Val Thr Asp Pro Glu Thr His Lys Ser Thr Lys
 85 90 95
 Ala Ala His Pro Thr Asp Asp Thr Thr Thr Leu Ser Glu Arg Pro Ser
 100 105 110
 Pro Ser Thr Asp Val Gln Thr Asp Pro Gln Thr Leu Lys Pro Ser Gly
 115 120 125
 Phe His Glu Asp Asp Pro Phe Phe Tyr Asp Glu His Thr Leu Arg Lys
 130 135 140
 Arg Gly Leu Leu Val Ala Ala Val Leu Phe Ile Thr Gly Ile Ile Ile
 145 150 155 160
 Leu Thr Ser Gly Lys Cys Arg Gln Leu Ser Arg Leu Cys Arg Asn His
 165 170 175
 Cys Arg Xaa

<210> 425
 <211> 40
 <212> PRT
 <213> Homo sapiens

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<400> 425

Met Phe Lys Cys Leu Gln Thr Thr Phe Leu Phe Ile Leu Asp Phe Thr
 1 5 10 15

Trp Glu Ser Lys Val Gln Phe His Lys Ala Ser Val Tyr Leu Ser Leu
 20 25 30

Ser Ile Tyr Ile Asp Cys His Ala
 35 40

<210> 426

<211> 232

<212> PRT

<213> Homo sapiens

<400> 426

Met Leu Ala Gly Lys Leu Ile Pro Val His Gln Val Arg Gly Leu Lys
 1 5 10 15

Glu Lys Ile Val Arg Ser Phe Glu Val Ser Pro Asp Gly Ser Phe Leu
 20 25 30

Leu Ile Asn Gly Ile Ala Gly Tyr Leu His Leu Leu Ala Met Lys Thr
 35 40 45

Lys Glu Leu Ile Gly Ser Met Lys Ile Asn Gly Arg Val Ala Ala Ser
 50 55 60

Thr Phe Ser Ser Asp Ser Lys Lys Val Tyr Ala Ser Ser Gly Asp Gly
 65 70 75 80

Glu Val Tyr Val Trp Asp Val Asn Ser Arg Lys Cys Leu Asn Arg Phe
 85 90 95

Val Asp Glu Gly Ser Leu Tyr Gly Leu Ser Ile Ala Thr Ser Arg Asn
 100 105 110

Gly Gln Tyr Val Ala Cys Gly Ser Asn Cys Gly Val Val Asn Ile Tyr
 115 120 125

Asn Gln Asp Ser Cys Leu Gln Glu Thr Asn Pro Lys Pro Ile Lys Ala
 130 135 140

Ile Met Asn Leu Val Thr Gly Val Thr Ser Leu Thr Phe Asn Pro Thr
 145 150 155 160

Thr Glu Ile Leu Ala Ile Ala Ser Glu Lys Met Lys Glu Ala Val Arg
 165 170 175

Leu Val His Leu Pro Ser Cys Thr Val Phe Ser Asn Phe Pro Val Ile
 180 185 190

Lys Asn Lys Asn Ile Ser His Val His Thr Met Asp Phe Ser Pro Arg
 195 200 205

Ser Gly Tyr Phe Ala Leu Gly Asn Glu Lys Gly Lys Ala Leu Met Tyr
 210 215 220

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Arg Leu His His Tyr Ser Asp Phe
225 230

<210> 427

<211> 250

<212> PRT

<213> Homo sapiens

<400> 427

Met Arg Ile Leu Gln Leu Ile Leu Leu Ala Leu Ala Thr Gly Leu Val
1 5 10 15

Gly Gly Glu Thr Arg Ile Ile Lys Gly Phe Glu Cys Lys Pro His Ser
20 25 30

Gln Pro Trp Gln Ala Ala Leu Phe Glu Lys Thr Arg Leu Leu Cys Gly
35 40 45

Ala Thr Leu Ile Ala Pro Arg Trp Leu Leu Thr Ala Ala His Cys Leu
50 55 60

Lys Pro Arg Tyr Ile Val His Leu Gly Gln His Asn Leu Gln Lys Glu
65 70 75 80

Glu Gly Cys Glu Gln Thr Arg Thr Ala Thr Glu Ser Phe Pro His Pro
85 90 95

Gly Phe Asn Asn Ser Leu Pro Asn Lys Asp His Arg Asn Asp Ile Met
100 105 110

Leu Val Lys Met Ala Ser Pro Val Ser Ile Thr Trp Ala Val Arg Pro
115 120 125

Leu Thr Leu Ser Ser Arg Cys Val Thr Ala Gly Thr Ser Cys Leu Ile
130 135 140

Ser Gly Trp Gly Ser Thr Ser Ser Pro Gln Leu Arg Leu Pro His Thr
145 150 155 160

Leu Arg Cys Ala Asn Ile Thr Ile Ile Glu His Gln Lys Cys Glu Asn
165 170 175

Ala Tyr Pro Gly Asn Ile Thr Asp Thr Met Val Cys Ala Ser Val Gln
180 185 190

Glu Gly Gly Lys Asp Ser Cys Gln Gly Asp Ser Gly Gly Pro Leu Val
195 200 205

Cys Asn Gln Ser Leu Gln Gly Ile Ile Ser Trp Gly Gln Asp Pro Cys
210 215 220

Ala Ile Thr Arg Lys Pro Gly Val Tyr Thr Lys Val Cys Lys Tyr Val
225 230 235 240

Asp Trp Ile Gln Glu Thr Met Lys Asn Asn
245 250

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<210> 428
 <211> 58
 <212> PRT
 <213> Homo sapiens

<400> 428
 Met Trp Thr Lys Asn Asp Lys Leu Lys Lys Phe Phe Phe Leu Arg Tyr
 1 5 10 15
 Leu Gln Asn Met Val Tyr Phe Tyr Val Glu Lys Lys Ser Tyr Glu Gly
 20 25 30
 Ser Cys Tyr Phe Lys Arg Lys Phe Ile Lys Ser Pro Arg Gly Met Lys
 35 40 45
 Met Thr Ala Cys Phe Ser Ile Ile Leu Ala
 50 55

<210> 429
 <211> 219
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (61)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (105)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (117)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (219)
 <223> Xaa equals stop translation

<400> 429
 Met Ala Val Val Leu Leu Ala Asn Leu Ala Gln Gly Asp Ser Leu Ala
 1 5 10 15
 Ala Arg Ala Ile Ala Val Gln Lys Gly Ser Ile Gly Asn Leu Leu Gly
 20 25 30
 Phe Leu Glu Asp Ser Leu Ala Ala Thr Gln Phe Gln Gln Ser Gln Ala
 35 40 45
 Ser Leu Leu His Met Gln Asn Pro Pro Phe Glu Pro Xaa Ser Val Asp
 50 55 60

10004850-120701

Met Met Arg Arg Ala Ala Arg Ala Leu Leu Ala Leu Ala Lys Val Asp
65 70 75 80

Glu Asn His Ser Glu Phe Thr Leu Tyr Glu Ser Arg Leu Leu Asp Ile
85 90 95

Ser Val Ser Pro Leu Met Asn Ser Xaa Val Ser Gln Val Ile Cys Asp
100 105 110

Val Leu Phe Leu Xaa Trp Pro Val Met Thr Ala Val Gly His Leu Pro
115 120 125

Pro Pro Cys Val Cys Ala Cys Val Glu Asn Leu Glu Thr Asp Cys Cys
130 135 140

Pro Leu Phe Met Gln Asn His Leu Arg Ile Gln Phe Thr Leu Cys Cys
145 150 155 160

Pro Ala Ser Pro Leu Gly Lys Ser Leu Ser Cys Phe Ser Leu Leu Leu
165 170 175

Pro Pro Pro Leu Pro Pro Ser Pro His Ala Phe Leu Phe Leu Val Leu
180 185 190

Thr Leu Leu Pro Ser Gly Pro Tyr Pro Thr Leu Phe Glu Lys Thr Lys
195 200 205

Leu Cys Leu His Arg Arg Leu Phe Leu Phe Xaa
210 215

<210> 430

<211> 51

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (51)

<223> Xaa equals stop translation

<400> 430

Met Leu Pro Asp Glu Ser Phe Gly Leu Leu Leu Ser Ile Pro Ser Leu
1 5 10 15

Thr Pro Ser Ala Ala Ala Pro Ser Phe Cys Val His Leu Met Gln Ala
20 25 30

Ser Arg Ser Ser Lys Arg Ala Ser His Val Pro Val His Leu Leu Trp
35 40 45

Gly Asp Xaa
50

<210> 431

<211> 50

<212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (27)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (50)
 <223> Xaa equals stop translation

<400> 431
 Met Arg Pro Gly Ser Phe Ser Phe Ile Ala Phe Leu Ala Thr Glu Val
 1 5 10 15

Ser Ser Cys Phe Pro Gly Arg Pro Asp Cys Xaa Thr Gly Met Trp Leu
 20 25 30

Leu Gln Leu Gln Lys Lys Gln Arg Thr Leu Leu Ala Met Ala Pro Arg
 35 40 45

Arg Xaa
 50

<210> 432
 <211> 70
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (33)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (39)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (55)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (70)
 <223> Xaa equals stop translation

<400> 432
 Asp Arg Pro Cys Pro Ser Ser Leu Trp Lys Val Phe Pro Leu Leu Leu
 1 5 10 15

Leu Leu Met Arg Leu Phe Pro Leu Pro Val Pro Gly Asn Gln Arg Ala
 20 25 30

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Xaa Leu Pro His Pro Phe Xaa Ala Pro Arg Leu Pro Cys Leu Leu Cys
35 40 45

Leu Cys Thr Gln Gln Phe Xaa Val Cys Ser His Tyr Leu Pro Ala Gly
50 55 60

Tyr Arg Val Asn Ser Xaa
65 70

<210> 433

<211> 40

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (40)

<223> Xaa equals stop translation

<400> 433

Met His Glu Lys Ala Trp Asn Leu Ile Leu Leu Trp Trp Leu Ser Leu
1 5 10 15

Asp Leu Leu Gly Val Ala Lys Thr Ala Met Trp Ala Gln Trp Cys Gly
20 25 30

Leu Asn Asp His Lys Gly Lys Xaa
35 40

<210> 434

<211> 104

<212> PRT

<213> Homo sapiens

<400> 434

Met Ala Phe Val Leu Leu Phe Cys Phe Val Gly Leu Gln Ser Ser Arg
1 5 10 15

Ala Gly Pro Tyr Ser Glu Leu Val Leu Cys Gln Thr Pro Ala Ser Ala
20 25 30

Pro Asp Pro Val Ser Thr Leu Cys Val Leu Glu Glu Glu Pro Leu Asp
35 40 45

Ala Tyr Pro Asp Ser Pro Ser Ala Cys Leu Val Leu Asn Trp Glu Glu
50 55 60

Pro Cys Asn Asn Gly Ser Glu Ile Leu Ala Tyr Thr Ile Asp Leu Gly
65 70 75 80

Asp Thr Ser Ile Thr Val Gly Asn Thr Thr Met His Val Met Lys Asp
85 90 95

Leu Leu Pro Glu Thr Thr Tyr Arg
100

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<210> 435
 <211> 38
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (38)
 <223> Xaa equals stop translation

<400> 435
 Met Phe Ser Leu Leu Trp Leu Val Cys Val Pro Ser Asn Ser Ser Val
 1 5 10 15

Ala Asn Val Thr Ala Ser Arg Gly Gly Val Phe Lys Arg Ser Leu Gly
 20 25 30

His Glu Gly Phe Ser Xaa
 35

<210> 436
 <211> 35
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (35)
 <223> Xaa equals stop translation

<400> 436
 Lys Trp Leu Leu Phe Ile Phe Leu Leu Cys Leu Gln Leu Val Asn Ala
 1 5 10 15

Leu Leu Ser Leu Phe Gln Glu Arg Phe Val His Cys Pro Ala Arg Phe
 20 25 30

Val Ser Xaa
 35

<210> 437
 <211> 32
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (32)
 <223> Xaa equals stop translation

<400> 437
 Met Leu Leu Phe Leu Ser Ile Thr Asn Ser Leu Ser Phe Ile Ser Val
 1 5 10 15

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Asp Lys Pro Phe Gly Gln Ser Glu Asp Val Cys Pro Val Ile Ser Xaa
 20 25 30

<210> 438
 <211> 127
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (127)
 <223> Xaa equals stop translation

<400> 438
 Met Glu Phe Leu Phe Asn Lys Thr Gly Trp Ala Phe Ala Ala Leu Cys
 1 5 10 15

Phe Val Leu Ala Met Thr Ser Gly Gln Met Trp Asn His Ile Arg Gly
 20 25 30

Pro Pro Tyr Ala His Lys Asn Pro His Thr Gly His Val Asn Tyr Ile
 35 40 45

His Gly Ser Ser Gln Ala Gln Phe Val Ala Glu Thr His Ile Val Leu
 50 55 60

Leu Phe Asn Gly Gly Val Thr Leu Gly Met Val Leu Leu Cys Glu Ala
 65 70 75 80

Ala Thr Ser Asp Met Asp Ile Gly Lys Arg Lys Ile Met Cys Val Ala
 85 90 95

Gly Ile Gly Leu Val Val Leu Phe Phe Ser Trp Met Leu Ser Ile Phe
 100 105 110

Arg Ser Lys Tyr His Gly Tyr Pro Tyr Ser Phe Leu Met Ser Xaa
 115 120 125

<210> 439
 <211> 69
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (10)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (69)
 <223> Xaa equals stop translation

10004380.120701

<400> 439

Met Thr Trp His Ser Arg Glu Ser Phe Xaa Leu Leu Arg Val Val Ala
 1 5 10 15

Pro Ser Gln Ala Pro Gly Met Gln Val Ser Pro Ser Gln Arg Ala Trp
 20 25 30

Arg Arg Pro Leu His Arg Cys His Val Ala Ala Pro Arg Pro His His
 35 40 45

Phe Ala Phe Phe Arg Asn Pro Phe Ser Trp Ser Phe Ile Lys Leu Leu
 50 55 60

Tyr Arg Tyr Leu Xaa
 65

<210> 440

<211> 92

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (92)

<223> Xaa equals stop translation

<400> 440

Met Gly Leu Lys Leu Asn Gly Arg Tyr Ile Ser Leu Ile Leu Ala Val
 1 5 10 15

Gln Ile Ala Tyr Leu Val Gln Ala Val Arg Ala Ala Gly Lys Cys Asp
 20 25 30

Ala Val Phe Lys Gly Phe Ser Asp Cys Leu Leu Lys Leu Gly Asp Thr
 35 40 45

Trp Pro Thr Thr Arg Ser Leu Gly Arg Gln Asp Glu His Gln Asp Arg
 50 55 60

Val His Ile Leu Gly Gly Phe Pro Gln Leu His Gly His Ser Pro Tyr
 65 70 75 80

Gly Leu Pro Gly Arg Gly Glu Arg Tyr Val Gly Xaa
 85 90

<210> 441

<211> 380

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (264)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

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<221> SITE
 <222> (296)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (380)
 <223> Xaa equals stop translation

<400> 441

Met Ala Arg Arg Ser Ala Phe Pro Ala Ala Ala Leu Trp Leu Trp Ser
 1 5 10 15

Ile Leu Leu Cys Leu Leu Ala Leu Arg Ala Glu Ala Gly Pro Pro Gln
 20 25 30

Glu Glu Ser Leu Tyr Leu Trp Ile Asp Ala His Gln Ala Arg Val Leu
 35 40 45

Ile Gly Phe Glu Glu Asp Ile Leu Ile Val Ser Glu Gly Lys Met Ala
 50 55 60

Pro Phe Thr His Asp Phe Arg Lys Ala Gln Gln Arg Met Pro Ala Ile
 65 70 75 80

Pro Val Asn Ile His Ser Met Asn Phe Thr Trp Gln Ala Ala Gly Gln
 85 90 95

Ala Glu Tyr Phe Tyr Glu Phe Leu Ser Leu Arg Ser Leu Asp Lys Gly
 100 105 110

Ile Met Ala Asp Pro Thr Val Asn Val Pro Leu Leu Gly Thr Val Pro
 115 120 125

His Lys Ala Ser Val Val Gln Val Gly Phe Pro Cys Leu Gly Lys Gln
 130 135 140

Asp Gly Val Ala Ala Phe Glu Val Asp Val Ile Val Met Asn Ser Glu
 145 150 155 160

Gly Asn Thr Ile Leu Gln Thr Pro Gln Asn Ala Ile Phe Phe Lys Thr
 165 170 175

Cys Gln Gln Ala Glu Cys Pro Gly Gly Cys Arg Asn Gly Gly Phe Cys
 180 185 190

Asn Glu Arg Arg Ile Cys Glu Cys Pro Asp Gly Phe His Gly Pro His
 195 200 205

Cys Glu Lys Ala Leu Cys Thr Pro Arg Cys Met Asn Gly Gly Leu Cys
 210 215 220

Val Thr Pro Gly Phe Cys Ile Cys Pro Pro Gly Phe Tyr Gly Val Asn
 225 230 235 240

Cys Asp Lys Ala Asn Cys Ser Thr Thr Cys Phe Asn Gly Gly Thr Cys
 245 250 255

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Phe Tyr Pro Gly Lys Cys Ile Xaa Pro Pro Gly Leu Glu Gly Glu Gln
 260 265 270

Cys Glu Ile Ser Lys Cys Pro Gln Pro Cys Arg Asn Gly Gly Lys Cys
 275 280 285

Ile Gly Lys Ser Lys Cys Lys Xaa Ser Lys Gly Tyr Gln Gly Asp Leu
 290 295 300

Cys Ser Lys Pro Val Cys Glu Pro Gly Cys Gly Ala His Gly Thr Cys
 305 310 315 320

His Glu Pro Asn Lys Cys Gln Cys Gln Glu Gly Trp His Gly Arg His
 325 330 335

Cys Asn Lys Arg Tyr Glu Ala Ser Leu Ile His Ala Leu Arg Pro Ala
 340 345 350

Gly Ala Gln Leu Arg Gln His Thr Pro Ser Leu Lys Lys Ala Glu Glu
 355 360 365

Arg Arg Asp Pro Pro Glu Ser Asn Tyr Ile Trp Xaa
 370 375 380

<210> 442

<211> 24

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (17)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (21)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (23)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (24)

<223> Xaa equals stop translation

<400> 442

Met Thr Ser Asn Leu Leu Leu Leu Thr Leu Leu Leu Lys Asp Thr Leu
 1 5 10 15

Xaa Leu Ala Lys Xaa Asn Xaa Xaa
 20

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<210> 443
 <211> 47
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (33)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (47)
 <223> Xaa equals stop translation

<400> 443
 Met Arg His His Thr Gln Leu Asn Phe Ile Phe Leu Val Glu Met Val
 1 5 10 15
 Phe Leu His Val Gly Gln Ala Gly Leu Lys Leu Pro Thr Ser Gly Asp
 20 25 30
 Xaa Ala Cys Phe Gly Leu Pro Lys Val Leu Gly Leu Gln Ala Xaa
 35 40 45

<210> 444
 <211> 214
 <212> PRT
 <213> Homo sapiens

<400> 444
 Met Gln Val Thr Ile Thr Leu Thr Ser Pro Ile Ile Arg Glu Glu Asn
 1 5 10 15
 Met Arg Glu Gly Asp Val Thr Ser Gly Met Val Lys Asp Pro Pro Asp
 20 25 30
 Val Leu Asp Arg Gln Lys Cys Leu Asp Ala Leu Ala Ala Leu Arg His
 35 40 45
 Ala Lys Trp Phe Gln Ala Arg Ala Asn Gly Leu Gln Ser Cys Val Ile
 50 55 60
 Ile Ile Arg Ile Leu Arg Asp Leu Cys Gln Arg Val Pro Thr Trp Ser
 65 70 75 80
 Asp Phe Pro Ser Trp Ala Met Glu Leu Leu Val Glu Lys Ala Ile Ser
 85 90 95
 Ser Ala Ser Ser Pro Gln Ser Pro Gly Asp Ala Leu Arg Arg Val Phe
 100 105 110
 Glu Cys Ile Ser Ser Gly Ile Ile Leu Lys Gly Ser Pro Gly Leu Leu
 115 120 125
 Asp Pro Cys Glu Lys Asp Pro Phe Asp Thr Leu Ala Thr Met Thr Asp
 130 135 140

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Gln Gln Arg Glu Asp Ile Thr Ser Ser Ala Gln Phe Ala Leu Arg Leu
 145 150 155 160

Leu Ala Phe Arg Gln Ile His Lys Val Leu Gly Met Asp Pro Leu Pro
 165 170 175

Gln Met Ser Gln Arg Phe Asn Ile His Asn Asn Arg Lys Arg Arg Arg
 180 185 190

Asp Ser Asp Gly Val Asp Gly Phe Glu Ala Glu Gly Lys Lys Asp Lys
 195 200 205

Lys Asp Tyr Asp Asn Phe
 210

<210> 445

<211> 144

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (144)

<223> Xaa equals stop translation

<400> 445

Leu Leu Ser Ile Leu Leu Cys Leu Leu Ala Ser Gly Leu Val Val Phe
 1 5 10 15

Phe Leu Phe Pro His Ser Val Leu Val Asp Asp Asp Gly Ile Lys Val
 20 25 30

Val Lys Val Thr Phe Asn Lys Gln Asp Ser Leu Val Ile Leu Thr Ile
 35 40 45

Met Ala Thr Leu Lys Ile Arg Asn Ser Asn Phe Tyr Thr Val Ala Val
 50 55 60

Thr Ser Leu Ser Ser Gln Ile Gln Tyr Met Asn Thr Val Val Asn Phe
 65 70 75 80

Thr Gly Lys Ala Glu Met Gly Gly Pro Phe Ser Tyr Val Tyr Phe Phe
 85 90 95

Cys Thr Val Pro Glu Ile Leu Val His Asn Ile Val Ile Phe Met Arg
 100 105 110

Thr Ser Val Lys Ile Ser Tyr Ile Gly Leu Met Thr Gln Ser Ser Leu
 115 120 125

Glu Thr His His Tyr Val Asp Cys Gly Gly Asn Ser Thr Ala Ile Xaa
 130 135 140

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<210> 446
 <211> 37
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (37)
 <223> Xaa equals stop translation

<400> 446
 Met Phe Phe Phe Leu Tyr Val Tyr Ser Val Leu Cys Gly Leu Leu Val
 1 5 10 15
 Tyr Pro Ser Leu Pro Ser His Ser Val Ser Leu Val Thr Ser Leu Val
 20 25 30
 Ala Ser Ala Leu Xaa
 35

<210> 447
 <211> 37
 <212> PRT
 <213> Homo sapiens
 <220>
 <221> SITE
 <222> (31)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (37)
 <223> Xaa equals stop translation

<400> 447
 Met Ala Ser Ile Asn Ala Val Tyr Ile His Val Phe Leu Gly Val Cys
 1 5 10 15
 Val Gln Ala Thr Ala Ala Cys Pro Trp Cys Ser Gln Cys Arg Xaa Gly
 20 25 30
 Ser Val Pro Ser Xaa
 35

<210> 448
 <211> 192
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (47)
 <223> Xaa equals any of the naturally occurring L-amino acids

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<220>
 <221> SITE
 <222> (192)
 <223> Xaa equals stop translation

<400> 448

Met Met Ala Ala Met Val Leu Thr Ser Leu Ser Cys Ser Pro Val Val
 1 5 10 15

Gln Ser Pro Pro Gly Thr Glu Ala Asn Phe Ser Ala Ser Arg Ala Ala
 20 25 30

Cys Asp Pro Trp Lys Glu Ser Gly Asp Ile Ser Asp Ser Gly Xaa Ser
 35 40 45

Thr Thr Ser Gly His Trp Ser Gly Ser Ser Gly Val Ser Thr Pro Ser
 50 55 60

Pro Pro His Pro Gln Ala Ser Pro Lys Tyr Leu Gly Asp Ala Phe Gly
 65 70 75 80

Ser Pro Gln Thr Asp His Gly Phe Glu Thr Asp Pro Asp Pro Phe Leu
 85 90 95

Leu Asp Glu Pro Ala Pro Arg Lys Arg Lys Asn Ser Val Lys Val Met
 100 105 110

Tyr Lys Cys Leu Trp Pro Asn Cys Gly Lys Val Leu Arg Ser Ile Val
 115 120 125

Gly Ile Lys Arg His Val Lys Ala Leu His Leu Gly Asp Thr Val Asp
 130 135 140

Ser Asp Gln Phe Lys Arg Glu Glu Asp Phe Tyr Tyr Thr Glu Val Gln
 145 150 155 160

Leu Lys Glu Glu Ser Ala Ala Ala Ala Ala Ala Ala Ala Asp Pro
 165 170 175

Gln Ser Leu Gly Leu Pro Pro Pro Ser Gln Leu Pro Pro Pro Ala Xaa
 180 185 190

<210> 449
 <211> 31
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (31)
 <223> Xaa equals stop translation

<400> 449

Met Ser Thr Asn Tyr Leu Thr Asp Val Cys Ser Leu Phe Ser Tyr Leu

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1	5	10	15
Asn Tyr Leu Tyr Phe His His His Leu Pro Val Pro Asn Thr Xaa			
20	25	30	

<210> 450

<211> 101

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (44)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (46)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (77)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (78)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (101)

<223> Xaa equals stop translation

<400> 450

Met Gly Phe Phe Phe Val Leu Phe Phe Leu Tyr Leu Ala Leu Ser Arg
1 5 10 15

Asp Trp Ser Ile Asn Phe Leu Lys Asp His Arg Ile Asn Phe Phe Val
20 25 30

Ala Thr Ser Tyr Phe Ser Val Tyr Val Arg Gly Xaa Pro Xaa Val Pro
35 40 45

Ala Asp Thr Pro Leu Gly Pro Leu Leu Ser Leu Trp Leu His His Asn
50 55 60

Ala Phe Phe Ser Ile Leu Pro Lys Phe Pro Glu Asn Xaa Xaa Phe Leu
65 70 75 80

Ile Leu Lys Lys Leu Val Val Glu Met Gly Trp Asp Leu Phe Ile Ser
85 90 95

Pro Glu Asn Lys Xaa
100

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<210> 451
 <211> 37
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (37)
 <223> Xaa equals stop translation

<400> 451
 Met Ala Arg Tyr Phe Ile Phe Phe Ile Leu Val Phe Met Lys Val Ser
 1 5 10 15
 Leu Asn Thr Thr Trp Pro Ala Pro Arg Pro Ala Thr Leu Arg Thr Ala
 20 25 30
 Asn Lys Ser Lys Xaa
 35

<210> 452
 <211> 42
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (42)
 <223> Xaa equals stop translation

<400> 452
 Phe Ser Thr Ile Arg Ser Gly Leu Thr Asp Arg Ser Val Asn Phe Leu
 1 5 10 15
 Phe Leu Phe Leu Asp Val Pro Asp Cys Arg Leu Val Asn Ile Glu Leu
 20 25 30
 Met Ala Asn Ser Thr Val Thr His Ala Xaa
 35 40

<210> 453
 <211> 48
 <212> PRT
 <213> Homo sapiens

<400> 453
 Met Ser Glu Trp Glu Leu Ser Ser Lys Phe Ser Gln Thr Gln Arg Gln
 1 5 10 15
 His Cys Leu Leu Leu Asn Asp Tyr Ser Phe Leu Pro Val Phe Trp Tyr
 20 25 30
 Phe Leu Gly Ile Leu Leu Thr Thr Ala Ile Thr Leu Phe Tyr Phe His
 35 40 45

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<210> 454
 <211> 25
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (25)
 <223> Xaa equals stop translation

<400> 454
 Met Pro Trp Arg Arg Ala Gly Leu Met Met Leu Pro Ile Ile Thr Gly
 1 5 10 15
 Cys Cys Pro Cys Ser Ala Ser Ile Xaa
 20 25

<210> 455
 <211> 54
 <212> PRT
 <213> Homo sapiens

<400> 455
 Met Tyr Leu Cys Lys Thr Val Lys Val Leu Ile Cys Tyr Asp Trp Ile
 1 5 10 15
 Leu Gly Leu Val Ser Ser Gly Gln His Trp Val Val Ser Leu Ser Tyr
 20 25 30
 Ser Ile Arg Val Tyr Pro Ala Met His Phe Thr Leu Cys Val His Ile
 35 40 45
 Tyr Ser Lys Glu Pro Cys
 50

<210> 456
 <211> 42
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (42)
 <223> Xaa equals stop translation

<400> 456
 Met Thr Ala Leu Val Trp Arg Lys Gly Pro Asp Gly Gly Ser Arg Lys
 1 5 10 15
 Pro Ile Leu Leu Leu Phe Phe Phe Leu Pro Leu Ile Leu Cys Phe His
 20 25 30

10004860-120701

Ser Phe Ile His Ser Ser Asn Ile Cys Xaa
 35 40

<210> 457

<211> 66

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (15)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (66)

<223> Xaa equals stop translation

<400> 457

Met Phe Leu Thr Thr Trp Phe Leu Leu Leu Ser Val Ala Trp Xaa Ala
 1 5 10 15

Leu Thr Arg Ser Gly Arg Ser Cys Leu Pro Leu Val Gly Arg Pro Arg
 20 25 30

Glu Gln Ser Pro Arg Thr His Cys Ala Ala Ser Ser Thr Lys Glu Arg
 35 40 45

Asn Ser Asp Pro Gln Pro Ser Pro Pro Glu Val Val Gly Pro Leu Trp
 50 55 60

Ser Xaa
 65

<210> 458

<211> 156

<212> PRT

<213> Homo sapiens

<400> 458

Met Lys Ala Ile Gly Ile Glu Pro Ser Leu Ala Thr Tyr His His Ile
 1 5 10 15

Ile Arg Leu Phe Asp Gln Pro Gly Asp Pro Leu Lys Arg Ser Ser Phe
 20 25 30

Ile Ile Tyr Asp Ile Met Asn Glu Leu Met Gly Lys Arg Phe Ser Pro
 35 40 45

Lys Asp Pro Asp Asp Asp Lys Phe Phe Gln Ser Ala Met Ser Ile Cys
 50 55 60

Ser Ser Leu Arg Asp Leu Glu Leu Ala Tyr Gln Val His Gly Leu Leu
 65 70 75 80

Lys Thr Gly Asp Asn Trp Lys Phe Ile Gly Pro Asp Gln His Arg Asn

10004860-120704

85

90

95

Phe Tyr Tyr Ser Lys Phe Phe Asp Leu Ile Cys Leu Met Glu Gln Ile
 100 105 110

Asp Val Thr Leu Lys Trp Tyr Glu Asp Leu Ile Pro Ser Ala Tyr Phe
 115 120 125

Pro His Ser Gln Thr Met Ile His Leu Leu Gln Ala Leu Asp Val Ala
 130 135 140

Asn Arg Leu Glu Val Ile Pro Lys Ile Trp Glu Arg
 145 150 155

<210> 459

<211> 31

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (31)

<223> Xaa equals stop translation

<400> 459

Met Asn Asp Asn Ser Pro Asn His Ser Ser Ser Tyr Leu Pro Leu Pro
 1 5 10 15

Leu Thr Ile Val Ile Leu Gln Thr Gly His Lys Gly Thr Leu Xaa
 20 25 30

<210> 460

<211> 57

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (57)

<223> Xaa equals stop translation

<400> 460

Met His Phe Leu Phe Arg Phe Ile Val Phe Phe Tyr Leu Trp Gly Leu
 1 5 10 15

Phe Thr Ala Gln Arg Gln Lys Lys Glu Glu Ser Thr Glu Glu Val Lys
 20 25 30

Ile Glu Val Leu His Arg Pro Glu Asn Cys Ser Lys Thr Ser Lys Lys
 35 40 45

Gly Asp Leu Leu Lys Cys Pro Leu Xaa
 50 55

<210> 461

10004960-120701

<211> 416
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (338)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (416)
 <223> Xaa equals stop translation

<400> 461

Met	Arg	Thr	Leu	Phe	Asn	Leu	Leu	Trp	Leu	Ala	Leu	Ala	Cys	Ser	Pro
1				5					10					15	
Val	His	Thr	Thr	Leu	Ser	Lys	Ser	Asp	Ala	Lys	Lys	Ala	Ala	Ser	Lys
			20					25						30	
Thr	Leu	Leu	Glu	Lys	Ser	Gln	Phe	Ser	Asp	Lys	Pro	Val	Gln	Asp	Arg
			35				40						45		
Gly	Leu	Val	Val	Thr	Asp	Leu	Lys	Ala	Glu	Ser	Val	Val	Leu	Glu	His
	50					55					60				
Arg	Ser	Tyr	Cys	Ser	Ala	Lys	Ala	Arg	Asp	Arg	His	Phe	Ala	Gly	Asp
	65				70					75					80
Val	Leu	Gly	Tyr	Val	Thr	Pro	Trp	Asn	Ser	His	Gly	Tyr	Asp	Val	Thr
			85					90						95	
Lys	Val	Phe	Gly	Ser	Lys	Phe	Thr	Gln	Ile	Ser	Pro	Val	Trp	Leu	Gln
			100					105					110		
Leu	Lys	Arg	Arg	Gly	Arg	Glu	Met	Phe	Glu	Val	Thr	Gly	Leu	His	Asp
		115					120					125			
Val	Asp	Gln	Gly	Trp	Met	Arg	Ala	Val	Arg	Lys	His	Ala	Lys	Gly	Leu
	130					135					140				
His	Ile	Val	Pro	Arg	Leu	Leu	Phe	Glu	Asp	Trp	Thr	Tyr	Asp	Asp	Phe
145					150					155					160
Arg	Asn	Val	Leu	Asp	Ser	Glu	Asp	Glu	Ile	Glu	Glu	Leu	Ser	Lys	Thr
			165					170						175	
Val	Val	Gln	Val	Ala	Lys	Asn	Gln	His	Phe	Asp	Gly	Phe	Val	Val	Glu
			180					185					190		
Val	Trp	Asn	Gln	Leu	Leu	Ser	Gln	Lys	Arg	Val	Gly	Leu	Ile	His	Met
			195				200					205			
Leu	Thr	His	Leu	Ala	Glu	Ala	Leu	His	Gln	Ala	Arg	Leu	Leu	Ala	Leu
	210						215				220				
Leu	Val	Ile	Pro	Pro	Ala	Ile	Thr	Pro	Gly	Thr	Asp	Gln	Leu	Gly	Met

10004560 120701

225 230 235 240
 Phe Thr His Lys Glu Phe Glu Gln Leu Ala Pro Val Leu Asp Gly Phe
 245 250 255
 Ser Leu Met Thr Tyr Asp Tyr Ser Thr Ala His Gln Pro Gly Pro Asn
 260 265 270
 Ala Pro Leu Ser Trp Val Arg Ala Cys Val Gln Val Leu Asp Pro Lys
 275 280 285
 Ser Lys Trp Arg Ser Lys Ile Leu Leu Gly Leu Asn Phe Tyr Gly Met
 290 295 300
 Asp Tyr Ala Thr Ser Lys Asp Ala Arg Glu Pro Val Val Gly Ala Arg
 305 310 315 320
 Tyr Ile Gln Thr Leu Lys Asp His Arg Pro Arg Met Val Trp Asp Ser
 325 330 335
 Gln Xaa Ser Glu His Phe Phe Glu Tyr Lys Lys Ser Arg Ser Gly Arg
 340 345 350
 His Val Val Phe Tyr Pro Thr Leu Lys Ser Leu Gln Val Arg Leu Glu
 355 360 365
 Leu Ala Arg Glu Leu Gly Val Gly Val Ser Ile Trp Glu Leu Ala Arg
 370 375 380
 Ala Trp Thr Thr Ser Thr Thr Cys Ser Arg Trp Ala Leu Arg Pro Pro
 385 390 395 400
 Arg Trp Thr Cys Ser Phe Leu Ser His Gly Val Ser Glu Gln Val Xaa
 405 410 415

<210> 462

<211> 64

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (56)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 462

Met Ala Pro Gly Pro Leu Ser Ala Thr Gln Ala Val Val Ile His Thr
 1 5 10 15

Thr His Cys Leu Gln Leu Pro Val Trp Cys Leu Ser Leu Val Ser Glu
 20 25 30

Leu Leu Gly Arg Ala Pro Pro His Asn Lys Asp Ala Leu Arg Pro Ser
 35 40 45

10004360.120701

Lys Lys Lys Lys Lys Lys Leu Xaa Gly Gly Pro Val Pro Ile Pro Pro
 50 55 60

<210> 463
 <211> 206
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (80)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (93)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (206)
 <223> Xaa equals stop translation

<400> 463
 Met Leu Gly Ala Lys Pro His Trp Leu Pro Gly Pro Leu His Ser Pro
 1 5 10 15

Gly Leu Pro Leu Val Leu Val Leu Leu Ala Leu Gly Ala Gly Trp Ala
 20 25 30

Gln Glu Gly Ser Glu Pro Val Leu Leu Glu Gly Glu Cys Leu Val Val
 35 40 45

Cys Glu Pro Gly Arg Ala Ala Ala Gly Gly Pro Gly Gly Ala Ala Leu
 50 55 60

Gly Glu Ala Pro Pro Gly Arg Val Ala Phe Ala Ala Val Arg Ser Xaa
 65 70 75 80

His His Glu Pro Ala Gly Glu Thr Gly Asn Gly Thr Xaa Gly Ala Ile
 85 90 95

Tyr Phe Asp Gln Val Leu Val Asn Glu Gly Gly Gly Phe Asp Arg Ala
 100 105 110

Ser Gly Ser Phe Val Ala Pro Val Arg Gly Val Tyr Ser Phe Arg Phe
 115 120 125

His Val Val Lys Val Tyr Asn Arg Gln Thr Val Gln Val Ser Leu Met
 130 135 140

Leu Asn Thr Trp Pro Val Ile Ser Ala Phe Ala Asn Asp Pro Asp Val
 145 150 155 160

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Thr Arg Glu Ala Ala Thr Ser Ser Val Leu Leu Pro Leu Asp Pro Gly
 165 170 175

Asp Arg Val Ser Leu Arg Leu Arg Arg Gly Asn Leu Leu Gly Gly Trp
 180 185 190

Lys Tyr Ser Ser Phe Ser Gly Phe Leu Ile Phe Pro Leu Xaa
 195 200 205

<210> 464

<211> 38

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (38)

<223> Xaa equals stop translation

<400> 464

Met Gln Arg Lys Val Ser Asp Phe Ile Ile His Gln Arg Leu Thr Val
 1 5 10 15

Asn Leu Cys Val Ile Ser Phe Phe Phe Phe Leu Pro Ile Cys Ile Phe
 20 25 30

Ser Leu Ala Lys Lys Xaa
 35

<210> 465

<211> 136

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (136)

<223> Xaa equals stop translation

<400> 465

Val Val Gly Thr Gly Thr Ser Leu Ala Leu Ser Ser Leu Leu Ser Leu
 1 5 10 15

Leu Leu Phe Ala Gly Met Gln Met Tyr Ser Arg Gln Leu Ala Ser Thr
 20 25 30

Glu Trp Leu Thr Ile Gln Gly Gly Leu Leu Gly Ser Gly Leu Phe Val
 35 40 45

Phe Ser Leu Thr Ala Phe Asn Asn Leu Glu Asn Leu Val Phe Gly Lys
 50 55 60

Gly Phe Gln Ala Lys Ile Phe Pro Glu Ile Leu Leu Cys Leu Leu Leu
 65 70 75 80

10004560-120701

Ala Leu Phe Ala Ser Gly Leu Ile His Arg Val Cys Val Thr Thr Cys
 85 90 95

Phe Ile Phe Ser Met Val Gly Leu Tyr Tyr Ile Asn Lys Ile Ser Ser
 100 105 110

Thr Leu Tyr Gln Ala Ala Ala Pro Val Leu Thr Pro Ala Lys Val Thr
 115 120 125

Gly Lys Ser Lys Lys Arg Asn Xaa
 130 135

<210> 466
 <211> 50
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (17)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (18)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (25)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (50)
 <223> Xaa equals stop translation

<400> 466
 Met Cys Leu Ser Arg Trp Lys Ile Phe Tyr Thr Leu Leu Ile Leu Phe
 1 5 10 15

Xaa Xaa Phe Ser Ile Thr Ser Glu Xaa Glu Thr Phe Tyr Met Ile Ile
 20 25 30

Ile His His Asn Pro Thr Gln Ile Thr Ala Ser Cys Ser Phe Thr Phe
 35 40 45

Leu Xaa
 50

<210> 467
 <211> 71
 <212> PRT
 <213> Homo sapiens

<220>

10004660.120701

<221> SITE
 <222> (27)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (49)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (71)
 <223> Xaa equals stop translation

<400> 467
 Met Trp Gly Cys Ser Gly Leu Gly His Arg Thr Val Ser Phe Leu Leu
 1 5 10 15
 Leu Leu Pro Cys Ser Phe Pro Arg Pro Cys Xaa Leu Phe Gly Leu Ile
 20 25 30
 Pro Ile Ser Arg Pro Cys Lys Val Glu Ala Pro Arg Leu Ser Val Pro
 35 40 45
 Xaa Leu Ser Cys Ala Ser His Pro Tyr Cys Asn Cys Pro Met Ser Thr
 50 55 60
 Ser Cys Pro Leu Pro Arg Xaa
 65 70

<210> 468
 <211> 59
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (59)
 <223> Xaa equals stop translation

<400> 468
 Asp Phe Val Pro Val Leu Val Phe Val Leu Ile Lys Ala Asn Pro Pro
 1 5 10 15
 Cys Leu Leu Ser Thr Val Gln Tyr Ile Ser Ser Phe Tyr Ala Ser Cys
 20 25 30
 Leu Ser Gly Glu Glu Ser Tyr Trp Trp Met Gln Phe Thr Ala Ala Val
 35 40 45
 Glu Phe Ile Lys Thr Ile Asp Asp Arg Lys Xaa
 50 55

<210> 469
 <211> 59
 <212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (27)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (34)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (35)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (37)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (38)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (46)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (59)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 469

Met	Phe	Ser	Arg	Thr	Ser	Asn	Phe	Trp	Thr	Phe	Phe	Phe	Gln	Phe	Leu
1					5				10					15	

Ile	Phe	Lys	Val	Phe	Leu	Val	Leu	Lys	Asn	Xaa	Phe	Thr	Ser	Gln	Lys
			20					25						30	

Ile	Xaa	Xaa	Ile	Xaa	Xaa	Glu	Lys	Pro	Lys	Lys	Lys	Lys	Xaa	Arg	Gly
			35				40						45		

Gly	Arg	Ala	Pro	Ser	Pro	Gln	Gly	Gly	Pro	Xaa
			50			55				

<210> 470

<211> 62

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

10004860.120701

<222> (17)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (62)

<223> Xaa equals stop translation

<400> 470

Met	Ser	Ser	Leu	Leu	Ser	Ala	Gly	Leu	Gln	Ala	Ser	Leu	Cys	Gly	Lys
1				5					10					15	

Xaa	Leu	Trp	Ala	Ser	Thr	Trp	Tyr	Leu	Val	Cys	Cys	Leu	Leu	Pro	Phe
			20					25					30		

Phe	His	Gln	Gly	Cys	Cys	Asp	His	Lys	Ser	Lys	Gln	Gln	Tyr	Ile	Pro
		35						40					45		

Asn	Leu	Lys	Ser	Tyr	Cys	Gly	Leu	Ser	Thr	Ile	Glu	Ile	Xaa
	50					55					60		

<210> 471

<211> 316

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (103)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (302)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (305)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (316)

<223> Xaa equals stop translation

<400> 471

Met	Ser	Thr	Lys	Lys	Leu	Cys	Ile	Val	Gly	Gly	Ile	Leu	Leu	Val	Phe
1				5					10					15	

Gln	Ile	Ile	Ala	Phe	Leu	Val	Gly	Gly	Leu	Ile	Ala	Pro	Gly	Pro	Thr
			20						25				30		

Thr	Ala	Val	Ser	Tyr	Met	Ser	Val	Lys	Cys	Val	Asp	Ala	Arg	Lys	Asn
			35					40					45		

His	His	Lys	Thr	Lys	Trp	Phe	Val	Pro	Trp	Gly	Pro	Asn	His	Cys	Asp
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

10004360-120701

50	55	60
Lys Ile Arg Asp Ile Glu Glu Ala Ile Pro Arg Glu Ile Glu Ala Asn 65 70 75 80		
Asp Ile Val Phe Ser Val His Ile Pro Leu Pro His Met Glu Met Ser 85 90 95		
Pro Trp Phe Gln Phe Met Xaa Phe Ile Leu Gln Leu Asp Ile Ala Phe 100 105 110		
Lys Leu Asn Asn Gln Ile Arg Glu Asn Ala Glu Val Ser Met Asp Val 115 120 125		
Ser Leu Ala Tyr Arg Asp Asp Ala Phe Ala Glu Trp Thr Glu Met Ala 130 135 140		
His Glu Arg Val Pro Arg Lys Leu Lys Cys Thr Phe Thr Ser Pro Lys 145 150 155 160		
Thr Pro Glu His Gly Gly Pro Val Thr Met Asn Val Met Ser Phe Leu 165 170 175		
Ser Trp Lys Leu Gly Leu Trp Pro Met Lys Phe Tyr Leu Leu Asn Ile 180 185 190		
Arg Leu Pro Val Asn Glu Lys Lys Lys Ile Asn Val Gly Ile Gly Glu 195 200 205		
Ile Lys Asp Ile Arg Leu Val Gly Ile His Gln Asn Gly Gly Phe Thr 210 215 220		
Lys Val Trp Phe Ala Met Lys Thr Phe Leu Thr Pro Ser Ile Phe Ile 225 230 235 240		
Ile Met Val Trp Tyr Trp Arg Arg Ile Thr Met Met Ser Arg Pro Pro 245 250 255		
Val Leu Leu Glu Lys Val Ile Phe Ala Leu Gly Ile Ser Met Thr Phe 260 265 270		
Ile Asn Ile Pro Val Glu Trp Phe Ser Ile Gly Phe Asp Trp Thr Trp 275 280 285		
Met Leu Leu Phe Gly Asp Ile Arg Gln Ala Ser Ser Met Xaa Cys Phe 290 295 300		
Xaa Pro Ser Gly Ser Ser Ser Val Ala Ser Thr Xaa 305 310 315		

<210> 472

<211> 24

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

10004860.120704

<222> (24)

<223> Xaa equals stop translation

<400> 472

Met Leu Ala Leu Leu Gly Leu Leu Ala Gly Thr Glu His Pro Pro Gly
1 5 10 15

Pro Gln Gly Pro Gly Pro Ser Xaa
20

<210> 473

<211> 10

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (10)

<223> Xaa equals stop translation

<400> 473

Met Pro Ser Gly Ala Cys Cys Ser Pro Xaa
1 5 10

<210> 474

<211> 85

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (36)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (44)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (85)

<223> Xaa equals stop translation

<400> 474

Tyr Val Met Ile Phe Lys Lys Glu Phe Ala Pro Ser Asp Glu Glu Leu
1 5 10 15

Asp Ser Tyr Arg Arg Gly Glu Glu Trp Asp Pro Gln Lys Ala Glu Glu
20 25 30

Lys Arg Asn Xaa Lys Glu Leu Ala Gln Arg Gln Xaa Gly Gly Gly Ser
35 40 45

Pro Ala Gly Ala Cys Gly Gly Glu Pro Cys Gln Arg Leu Gln Gly Gln
50 55 60

10004860.120701

Val Gln Pro Pro His Arg Gln Gly Ser Ser Gln Arg Arg Ser Pro His
65 70 75 80

Ala Thr Gly Gln Xaa
85

<210> 475
<211> 26
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (26)
<223> Xaa equals stop translation

<400> 475
Met Leu Pro Ala Leu Ser Thr Val Leu Leu Pro Thr Pro Ser Leu Cys
1 5 10 15

Ser Gly Asn Pro Arg Glu Gly Trp Ala Xaa
20 25

<210> 476
<211> 34
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (34)
<223> Xaa equals stop translation

<400> 476
Lys Glu Phe Phe Val Phe Leu Phe Val Cys Leu Phe Trp Leu Leu Ser
1 5 10 15

Asn Thr Pro Leu Thr Phe Ile Ser Ile Ile Leu Gln Arg Lys Glu Thr
20 25 30

Asn Xaa

<210> 477
<211> 172
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (151)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>

10004860-120701

<221> SITE
 <222> (172)
 <223> Xaa equals stop translation

<400> 477

Met Tyr Ser Leu His Ser Trp Val Gly Leu Ile Ala Val Ile Cys Tyr
 1 5 10 15

Leu Leu Gln Leu Leu Ser Gly Phe Ser Val Phe Leu Leu Pro Trp Ala
 20 25 30

Pro Leu Ser Leu Arg Ala Phe Leu Met Pro Ile His Val Tyr Ser Gly
 35 40 45

Ile Val Ile Phe Gly Thr Val Ile Ala Thr Ala Leu Met Gly Leu Thr
 50 55 60

Glu Lys Leu Ile Phe Ser Leu Arg Asp Pro Ala Tyr Ser Thr Phe Pro
 65 70 75 80

Pro Glu Gly Val Phe Val Asn Thr Leu Gly Leu Leu Ile Leu Val Phe
 85 90 95

Gly Ala Leu Ile Phe Trp Ile Val Thr Arg Pro Gln Trp Lys Arg Pro
 100 105 110

Lys Glu Pro Asn Ser Thr Ile Leu His Pro Asn Gly Gly Thr Glu Gln
 115 120 125

Gly Ala Arg Gly Ser Met Pro Ala Tyr Ser Gly Asn Asn Met Asp Lys
 130 135 140

Ser Asp Ser Glu Leu Asn Xaa Glu Val Ala Ala Arg Lys Arg Asn Leu
 145 150 155 160

Ala Leu Asp Glu Ala Gly Gln Arg Ser Thr Met Xaa
 165 170

<210> 478
 <211> 61
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (8)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (27)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (61)
 <223> Xaa equals stop translation

10004260.120701

<400> 478
 Met Cys Ile His Val Phe Met Xaa Val Leu Trp Val Leu Phe Leu Leu
 1 5 10 15
 Asn Pro Leu Cys Thr Gly Leu Trp Pro Leu Xaa Asn Cys Phe Ser Val
 20 25 30
 Leu Arg His Ala Asp Trp Val Leu Gly Ala Asp Tyr Lys Gly Glu Glu
 35 40 45
 Leu Asn Arg His Gln Gly Pro Met Lys Pro Lys Asp Xaa
 50 55 60

<210> 479
 <211> 3
 <212> PRT
 <213> Homo sapiens
 <220>
 <221> SITE
 <222> (3)
 <223> Xaa equals stop translation

<400> 479
 Gly Arg Xaa
 1

<210> 480
 <211> 96
 <212> PRT
 <213> Homo sapiens
 <220>
 <221> SITE
 <222> (11)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (35)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (38)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (96)
 <223> Xaa equals stop translation

<400> 480
 Met Phe His Val Leu Met Ala Gln Val Thr Xaa Val Ile Ile Thr Thr
 1 5 10 15

1000480-120701

Val Ser Val Leu Val Phe Asp Phe Arg Pro Ser Leu Glu Phe Phe Leu
 20 25 30

Glu Ala Xaa Ser Val Xaa Leu Ser Ile Phe Ile Tyr Asn Ala Ser Lys
 35 40 45

Pro Gln Val Pro Glu Tyr Ala Pro Arg Gln Glu Arg Ile Arg Asp Leu
 50 55 60

Ser Gly Asn Leu Trp Glu Arg Ser Ser Gly Asp Gly Glu Glu Leu Glu
 65 70 75 80

Arg Leu Thr Lys Pro Lys Ser Asp Glu Ser Asp Glu Asp Thr Phe Xaa
 85 90 95

<210> 481
 <211> 171
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (159)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (171)
 <223> Xaa equals stop translation

<400> 481
 Met Arg Gly Pro Ala Gln Ala Lys Leu Leu Pro Gly Ser Ala Ile Gln
 1 5 10 15

Ala Leu Val Gly Leu Ala Arg Pro Leu Val Leu Ala Leu Leu Val
 20 25 30

Ser Ala Ala Leu Ser Ser Val Val Ser Arg Thr Asp Ser Pro Ser Pro
 35 40 45

Thr Val Leu Asn Ser His Ile Ser Thr Pro Asn Val Asn Ala Leu Thr
 50 55 60

His Glu Asn Gln Thr Lys Pro Ser Ile Ser Gln Ile Ser Thr Thr Leu
 65 70 75 80

Pro Pro Thr Thr Ser Thr Lys Lys Ser Gly Gly Ala Ser Val Val Pro
 85 90 95

His Pro Ser Pro Thr Pro Leu Ser Gln Glu Glu Ala Asp Asn Asn Glu
 100 105 110

Asp Pro Ser Ile Glu Glu Glu Asp Leu Leu Met Leu Asn Ser Ser Pro

10004350 120701

115 120 125
 Ser Thr Ala Lys Asp Thr Leu Asp Asn Gly Asp Tyr Gly Glu Pro Asp
 130 135 140
 Tyr Asp Trp Thr Thr Gly Pro Arg Asp Asp Asp Glu Ser Asp Xaa His
 145 150 155 160
 Leu Gly Arg Lys Gln Gly Leu His Gly Asn Xaa
 165 170

 <210> 482
 <211> 623
 <212> PRT
 <213> Homo sapiens

 <220>
 <221> SITE
 <222> (111)
 <223> Xaa equals any of the naturally occurring L-amino acids

 <220>
 <221> SITE
 <222> (575)
 <223> Xaa equals any of the naturally occurring L-amino acids

 <400> 482
 Met Phe Met Arg Ile Ala Lys Ala Tyr Ala Ala Leu Thr Asp Glu Glu
 1 5 10 15
 Ser Arg Lys Asn Trp Glu Glu Phe Gly Asn Pro Asp Gly Pro Gln Ala
 20 25 30
 Thr Ser Phe Gly Ile Ala Leu Pro Ala Trp Ile Val Asp Gln Lys Asn
 35 40 45
 Ser Ile Leu Val Leu Leu Val Tyr Gly Leu Ala Phe Met Val Ile Leu
 50 55 60
 Pro Val Val Val Gly Ser Trp Trp Tyr Arg Ser Ile Arg Tyr Ser Gly
 65 70 75 80
 Asp Gln Ile Leu Ile Arg Thr Thr Gln Ile Tyr Thr Tyr Phe Val Tyr
 85 90 95
 Lys Thr Arg Asn Met Asp Met Lys Arg Leu Ile Met Val Leu Xaa Gly
 100 105 110
 Ala Ser Glu Phe Asp Pro Gln Tyr Asn Lys Asp Ala Thr Ser Arg Pro
 115 120 125
 Thr Asp Asn Ile Leu Ile Pro Gln Leu Ile Arg Glu Ile Gly Ser Ile
 130 135 140
 Asn Leu Lys Lys Asn Glu Pro Pro Leu Thr Cys Pro Tyr Ser Leu Lys
 145 150 155 160

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Ala Arg Val Leu Leu Leu Ser His Leu Ala Arg Met Lys Ile Pro Glu
 165 170 175
 Thr Leu Glu Glu Asp Gln Gln Phe Met Leu Lys Lys Cys Pro Ala Leu
 180 185 190
 Leu Gln Glu Met Val Asn Val Ile Cys Gln Leu Ile Val Met Ala Arg
 195 200 205
 Asn Arg Glu Glu Arg Glu Phe Arg Ala Pro Thr Leu Ala Ser Leu Glu
 210 215 220
 Asn Cys Met Lys Leu Ser Gln Met Ala Val Gln Gly Leu Gln Gln Phe
 225 230 235 240
 Lys Ser Pro Leu Leu Gln Leu Pro His Ile Glu Glu Asp Asn Leu Arg
 245 250 255
 Arg Val Ser Asn His Lys Lys Tyr Lys Ile Lys Thr Ile Gln Asp Leu
 260 265 270
 Val Ser Leu Lys Glu Ser Asp Arg His Thr Leu Leu His Phe Leu Glu
 275 280 285
 Asp Glu Lys Tyr Glu Glu Val Met Ala Val Leu Gly Ser Phe Pro Tyr
 290 295 300
 Val Thr Met Asp Ile Lys Ser Gln Val Leu Asp Asp Glu Asp Ser Asn
 305 310 315 320
 Asn Ile Thr Val Gly Ser Leu Val Thr Val Leu Val Lys Leu Thr Arg
 325 330 335
 Gln Thr Met Ala Glu Val Phe Glu Lys Glu Gln Ser Ile Cys Ala Ala
 340 345 350
 Glu Glu Gln Pro Ala Glu Asp Gly Gln Gly Glu Thr Asn Lys Asn Arg
 355 360 365
 Thr Lys Gly Gly Trp Gln Gln Lys Ser Lys Gly Pro Lys Lys Thr Ala
 370 375 380
 Lys Ser Lys Lys Lys Lys Pro Leu Lys Lys Lys Pro Thr Pro Val Leu
 385 390 395 400
 Leu Pro Gln Ser Lys Gln Gln Lys Gln Lys Gln Ala Asn Gly Val Val
 405 410 415
 Gly Asn Glu Ala Ala Val Lys Glu Asp Glu Glu Glu Val Ser Asp Lys
 420 425 430
 Gly Ser Asp Ser Glu Glu Glu Glu Thr Asn Arg Asp Ser Gln Ser Glu
 435 440 445
 Lys Asp Asp Gly Ser Asp Arg Asp Ser Asp Arg Glu Gln Asp Glu Lys
 450 455 460
 Gln Asn Lys Asp Asp Glu Ala Glu Trp Gln Glu Leu Gln Gln Ser Ile

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15

Val Leu Leu Leu Leu Leu Leu Pro Glu Leu Ser Gly Xaa Leu Xaa Val
 20 25 30

Leu Leu Gln Ala Ala Glu Ala Ala Pro Gly Xaa Gly Pro Pro Asp Pro
 35 40 45

Arg Pro Gly His Tyr Arg Arg Cys His Arg Ala Leu Thr Pro Ala Gln
 50 55 60

Gln Pro Gly Arg Gly Leu Ala Glu Ala Ala Gly Ala Ala Gly Leu Arg
 65 70 75 80

Gly Arg Gln Trp Gln Gln Pro Cys Gly Arg Ala Xaa
 85 90

<210> 484

<211> 14

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (13)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (14)

<223> Xaa equals stop translation

<400> 484

Met Phe Lys Cys Leu Gln Thr Thr Phe Leu Phe Ile Xaa Xaa
 1 5 10

<210> 485

<211> 54

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (54)

<223> Xaa equals stop translation

<400> 485

Ile Leu Leu Cys Ser Trp Pro Thr Gly Leu Val Gly Gly Arg Asp Pro
 1 5 10 15

Gly Ser Ser Arg Gly Ser Ser Ala Ser Leu Thr Pro Ser Pro Gly Arg
 20 25 30

Gln Pro Cys Ser Arg Arg Arg Gly Tyr Ser Val Gly Arg Arg Ser Ser
 35 40 45

Pro Pro Asp Gly Ser Xaa

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50

<210> 486
 <211> 22
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (7)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (11)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (16)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (22)
 <223> Xaa equals stop translation

<400> 486
 Met Ala Phe Val Leu Leu Xaa Cys Phe Val Xaa Leu Gln Ser Ser Xaa
 1 5 10 15

Gly Arg Ala Val Gln Xaa
 20

<210> 487
 <211> 19
 <212> PRT
 <213> Homo sapiens

<400> 487
 Glu Asn Met Ile Cys Val Lys Cys Leu Pro Gln Tyr Pro Glu His Ser
 1 5 10 15

Lys His Val

<210> 488
 <211> 20
 <212> PRT
 <213> Homo sapiens

<400> 488
 Ala Arg Val Ala Phe His Leu Ile Cys Arg Tyr Ile Leu Pro Thr Val
 1 5 10 15

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Tyr Cys His Val
20

<210> 489
<211> 20
<212> PRT
<213> Homo sapiens

<400> 489
Glu Leu Val Glu Ser Pro Gly Ala Ala Gly Asn Ser Ala Arg Ser Gly
1 5 10 15

Asn Val Val Cys
20

<210> 490
<211> 25
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (9)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 490
Phe Lys Lys Leu Val Asn Pro Arg Xaa Gln Gly Ile Arg His Glu Glu
1 5 10 15

Glu Ala Val Ser Trp Gln Glu Arg Arg
20 25

<210> 491
<211> 206
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (5)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 491
Ile Ser Val Leu Xaa Tyr Pro His Cys Val Val His Glu Leu Pro Glu
1 5 10 15

Leu Thr Ala Glu Ser Leu Glu Ala Gly Asp Ser Asn Gln Phe Cys Trp
20 25 30

Arg Asn Leu Phe Ser Cys Ile Asn Leu Leu Arg Ile Leu Asn Lys Leu
35 40 45

Thr Lys Trp Lys His Ser Arg Thr Met Met Leu Val Val Phe Lys Ser
50 55 60

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Ala Pro Ile Leu Lys Arg Ala Leu Lys Val Lys Gln Ala Met Met Gln
65 70 75 80

Leu Tyr Val Leu Lys Leu Leu Lys Val Gln Thr Lys Tyr Leu Gly Arg
85 90 95

Gln Trp Arg Lys Ser Asn Met Lys Thr Met Ser Ala Ile Tyr Gln Lys
100 105 110

Val Arg His Arg Leu Asn Asp Asp Trp Ala Tyr Gly Asn Asp Leu Asp
115 120 125

Ala Arg Pro Trp Asp Phe Gln Ala Glu Glu Cys Ala Leu Arg Ala Asn
130 135 140

Ile Glu Arg Phe Asn Ala Arg Arg Tyr Asp Arg Ala His Ser Asn Pro
145 150 155 160

Asp Phe Leu Pro Val Asp Asn Cys Leu Gln Ser Val Leu Gly Gln Arg
165 170 175

Val Asp Leu Pro Glu Asp Phe Gln Met Asn Tyr Asp Leu Trp Leu Glu
180 185 190

Arg Glu Val Phe Ser Lys Pro Ile Ser Trp Glu Glu Leu Leu
195 200 205

<210> 492
<211> 507
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (87)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (95)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 492
Met Arg Ala Ala Ser Pro Pro Ala Ser Ala Ser Asp Leu Ile Glu Gln
1 5 10 15

Gln Gln Lys Arg Gly Arg Arg Glu His Lys Ala Leu Ile Lys Gln Asp
20 25 30

Asn Leu Asp Ala Phe Asn Glu Arg Asp Pro Tyr Lys Ala Asp Asp Ser
35 40 45

Arg Glu Glu Glu Glu Glu Asn Asp Asp Asp Asn Ser Leu Glu Gly Glu
50 55 60

Thr Phe Pro Leu Glu Arg Asp Glu Val Met Pro Pro Pro Leu Gln His
65 70 75 80

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Pro Gln Thr Asp Arg Leu Xaa Cys Pro Lys Gly Leu Pro Trp Xaa Pro
 85 90 95
 Lys Val Arg Glu Lys Asp Ile Glu Met Phe Leu Glu Ser Ser Arg Ser
 100 105 110
 Lys Phe Ile Gly Tyr Thr Leu Gly Ser Asp Thr Asn Thr Val Val Gly
 115 120 125
 Leu Pro Arg Pro Ile His Glu Ser Ile Lys Thr Leu Lys Gln His Lys
 130 135 140
 Tyr Thr Ser Ile Ala Glu Val Gln Ala Gln Met Glu Glu Glu Tyr Leu
 145 150 155 160
 Arg Ser Pro Leu Ser Gly Gly Glu Glu Glu Val Glu Gln Val Pro Ala
 165 170 175
 Glu Thr Leu Tyr Gln Gly Leu Leu Pro Ser Leu Pro Gln Tyr Met Ile
 180 185 190
 Ala Leu Leu Lys Ile Leu Leu Ala Ala Ala Pro Thr Ser Lys Ala Lys
 195 200 205
 Thr Asp Ser Ile Asn Ile Leu Ala Asp Val Leu Pro Glu Glu Met Pro
 210 215 220
 Thr Thr Val Leu Gln Ser Met Lys Leu Gly Val Asp Val Asn Arg His
 225 230 235 240
 Lys Glu Val Ile Val Lys Ala Ile Ser Ala Val Leu Leu Leu Leu Leu
 245 250 255
 Lys His Phe Lys Leu Asn His Val Tyr Gln Phe Glu Tyr Met Ala Gln
 260 265 270
 His Leu Val Phe Ala Asn Cys Ile Pro Leu Ile Leu Lys Phe Phe Asn
 275 280 285
 Gln Asn Ile Met Ser Tyr Ile Thr Ala Lys Asn Ser Ile Ser Val Leu
 290 295 300
 Asp Tyr Pro His Cys Val Val His Glu Leu Pro Glu Leu Thr Ala Glu
 305 310 315 320
 Ser Leu Glu Ala Gly Asp Ser Asn Gln Phe Cys Trp Arg Asn Leu Phe
 325 330 335
 Ser Cys Ile Asn Leu Leu Arg Ile Leu Asn Lys Leu Thr Lys Trp Lys
 340 345 350
 His Ser Arg Thr Met Met Leu Val Val Phe Lys Ser Ala Pro Ile Leu
 355 360 365
 Lys Arg Ala Leu Lys Val Lys Gln Ala Met Met Gln Leu Tyr Val Leu
 370 375 380

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Lys Leu Leu Lys Val Gln Thr Lys Tyr Leu Gly Arg Gln Trp Arg Lys
385 390 395 400

Ser Asn Met Lys Thr Met Ser Ala Ile Tyr Gln Lys Val Arg His Arg
405 410 415

Leu Asn Asp Asp Trp Ala Tyr Gly Asn Asp Leu Asp Ala Arg Pro Trp
420 425 430

Asp Phe Gln Ala Glu Glu Cys Ala Leu Arg Ala Asn Ile Glu Arg Phe
435 440 445

Asn Ala Arg Arg Tyr Asp Arg Ala His Ser Asn Pro Asp Phe Leu Pro
450 455 460

Val Asp Asn Cys Leu Gln Ser Val Leu Gly Gln Arg Val Asp Leu Pro
465 470 475 480

Glu Asp Phe Gln Met Asn Tyr Asp Leu Trp Leu Glu Arg Glu Val Phe
485 490 495

Ser Lys Pro Ile Ser Trp Glu Glu Leu Leu Gln
500 505

<210> 493

<211> 50

<212> PRT

<213> Homo sapiens

<400> 493

Met Arg Ala Ala Ser Pro Pro Ala Ser Ala Ser Asp Leu Ile Glu Gln
1 5 10 15

Gln Gln Lys Arg Gly Arg Arg Glu His Lys Ala Leu Ile Lys Gln Asp
20 25 30

Asn Leu Asp Ala Phe Asn Glu Arg Asp Pro Tyr Lys Ala Asp Asp Ser
35 40 45

Arg Glu
50

<210> 494

<211> 45

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (37)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (45)

<223> Xaa equals any of the naturally occurring L-amino acids

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0> 494

Glu Glu Glu Asn Asp Asp Asp Asn Ser Leu Glu Gly Glu Thr Phe
5 10 15

Leu Glu Arg Asp Glu Val Met Pro Pro Pro Leu Gln His Pro Gln
20 25 30

Asp Arg Leu Xaa Cys Pro Lys Gly Leu Pro Trp Xaa
35 40 45

10> 495

11> 51

12> PRT

13> Homo sapiens

30> 495

Lys Val Arg Glu Lys Asp Ile Glu Met Phe Leu Glu Ser Ser Arg
1 5 10 15

Lys Phe Ile Gly Tyr Thr Leu Gly Ser Asp Thr Asn Thr Val Val
20 25 30

Leu Pro Arg Pro Ile His Glu Ser Ile Lys Thr Leu Lys Gln His
35 40 45

Tyr Thr
50

110> 496

111> 47

112> PRT

113> Homo sapiens

100> 496

Ile Ala Glu Val Gln Ala Gln Met Glu Glu Glu Tyr Leu Arg Ser
1 5 10 15

Leu Ser Gly Gly Glu Glu Glu Val Glu Gln Val Pro Ala Glu Thr
20 25 30

Leu Tyr Gln Gly Leu Leu Pro Ser Leu Pro Gln Tyr Met Ile Ala
35 40 45

210> 497

211> 48

212> PRT

213> Homo sapiens

400> 497

Leu Leu Lys Ile Leu Leu Ala Ala Ala Pro Thr Ser Lys Ala Lys Thr
1 5 10 15

Asp Ser Ile Asn Ile Leu Ala Asp Val Leu Pro Glu Glu Met Pro Thr
20 25 30

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Thr Val Leu Gln Ser Met Lys Leu Gly Val Asp Val Asn Arg His Lys
 35 40 45

<210> 498

<211> 50

<212> bRT

<213> Homo sapiens

<400> 498

Glu Val Ile Val Lys Ala Ile Ser Ala Val Leu Leu Leu Leu Lys
 1 5 10 15

His Phe Lys Leu Asn His Val Tyr Gln Phe Glu Tyr Met Ala Gln His
 20 25 30

Leu Val Phe Ala Asn Cys Ile Pro Leu Ile Leu Lys Phe Phe Asn Gln
 35 40 45

Asn Ile
 50

<210> 499

<211> 48

<212> PRT

<213> Homo sapiens

<400> 499

Met Ser Tyr Ile Thr Ala Lys Asn Ser Ile Ser Val Leu Asp Tyr Pro
 1 5 10 15

His Cys Val Val His Glu Leu Pro Glu Leu Thr Ala Glu Ser Leu Glu
 20 25 30

Ala Gly Asp Ser Asn Gln Phe Cys Trp Arg Asn Leu Phe Ser Cys Ile
 35 40 45

<210> 500

<211> 47

<212> PRT

<213> Homo sapiens

<400> 500

Asn Leu Leu Arg Ile Leu Asn Lys Leu Thr Lys Trp Lys His Ser Arg
 1 5 10 15

Thr Met Met Leu Val Val Phe Lys Ser Ala Pro Ile Leu Lys Arg Ala
 20 25 30

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Leu Lys Val Lys Gln Ala Met Met Gln Leu Tyr Val Leu Lys Leu
 35 40 45

<210> 501
 <211> 45
 <212> PRT
 <213> Homo sapiens

<400> 501
 Leu Lys Val Gln Thr Lys Tyr Leu Gly Arg Gln Trp Arg Lys Ser Asn
 1 5 10 15

Met Lys Thr Met Ser Ala Ile Tyr Gln Lys Val Arg His Arg Leu Asn
 20 25 30

Asp Asp Trp Ala Tyr Gly Asn Asp Leu Asp Ala Arg Pro
 35 40 45

<210> 502
 <211> 48
 <212> PRT
 <213> Homo sapiens

<400> 502
 Trp Asp Phe Gln Ala Glu Glu Cys Ala Leu Arg Ala Asn Ile Glu Arg
 1 5 10 15

Phe Asn Ala Arg Arg Tyr Asp Arg Ala His Ser Asn Pro Asp Phe Leu
 20 25 30

Pro Val Asp Asn Cys Leu Gln Ser Val Leu Gly Gln Arg Val Asp Leu
 35 40 45

<210> 503
 <211> 28
 <212> PRT
 <213> Homo sapiens

<400> 503
 Pro Glu Asp Phe Gln Met Asn Tyr Asp Leu Trp Leu Glu Arg Glu Val
 1 5 10 15

Phe Ser Lys Pro Ile Ser Trp Glu Glu Leu Leu Gln
 20 25

<210> 504
 <211> 317
 <212> PRT
 <213> Homo sapiens

<220>

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<221> SITE
 <222> (39)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (40)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (112)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 504

Met	Ala	Pro	Pro	Ala	Pro	Gly	Pro	Ala	Ser	Gly	Gly	Ser	Gly	Glu	Val	1	5	10	15
Asp	Glu	Leu	Phe	Asp	Val	Lys	Asn	Ala	Phe	Tyr	Ile	Gly	Ser	Tyr	Gln	20	25	30	
Gln	Cys	Ile	Asn	Glu	Ala	Xaa	Xaa	Val	Lys	Leu	Ser	Ser	Pro	Glu	Arg	35	40	45	
Asp	Val	Glu	Arg	Asp	Val	Phe	Leu	Tyr	Arg	Ala	Tyr	Leu	Ala	Gln	Arg	50	55	60	
Lys	Phe	Gly	Val	Val	Leu	Asp	Glu	Ile	Lys	Pro	Ser	Ser	Ala	Pro	Glu	65	70	75	80
Leu	Gln	Ala	Val	Arg	Met	Phe	Ala	Asp	Tyr	Leu	Ala	His	Glu	Ser	Arg	85	90	95	
Arg	Asp	Ser	Ile	Val	Ala	Glu	Leu	Asp	Arg	Glu	Met	Ser	Arg	Ser	Xaa	100	105	110	
Asp	Val	Thr	Asn	Thr	Thr	Phe	Leu	Leu	Met	Ala	Ala	Ser	Ile	Tyr	Leu	115	120	125	
His	Asp	Gln	Asn	Pro	Asp	Ala	Ala	Leu	Arg	Ala	Leu	His	Gln	Gly	Asp	130	135	140	
Ser	Leu	Glu	Cys	Thr	Ala	Met	Thr	Val	Gln	Ile	Leu	Leu	Lys	Leu	Asp	145	150	155	160
Arg	Leu	Asp	Leu	Ala	Arg	Lys	Glu	Leu	Lys	Arg	Met	Gln	Asp	Leu	Asp	165	170	175	
Glu	Asp	Ala	Thr	Leu	Thr	Gln	Leu	Ala	Thr	Ala	Trp	Val	Ser	Leu	Ala	180	185	190	
Thr	Gly	Gly	Glu	Lys	Leu	Gln	Asp	Ala	Tyr	Tyr	Ile	Phe	Gln	Glu	Met	195	200	205	
Ala	Asp	Lys	Cys	Ser	Pro	Thr	Leu	Leu	Leu	Leu	Asn	Gly	Gln	Ala	Ala	210	215	220	
Cys	His	Met	Ala	Gln	Gly	Arg	Trp	Glu	Ala	Ala	Glu	Gly	Leu	Leu	Gln				

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225 230 235 240
 Glu Ala Leu Asp Lys Asp Ser Gly Tyr Pro Glu Thr Leu Val Asn Leu
 245 250 255
 Ile Val Leu Ser Gln His Leu Gly Lys Pro Pro Glu Val Thr Asn Arg
 260 265 270
 Tyr Leu Ser Gln Leu Lys Asp Ala His Arg Ser His Pro Phe Ile Lys
 275 280 285
 Glu Tyr Gln Ala Lys Glu Asn Asp Phe Asp Arg Leu Val Leu Gln Tyr
 290 295 300
 Ala Pro Ser Ala Glu Ala Gly Pro Glu Leu Ser Gly Pro
 305 310 315

 <210> 505
 <211> 261
 <212> PRT
 <213> Homo sapiens

 <220>
 <221> SITE
 <222> (65)
 <223> Xaa equals any of the naturally occurring L-amino acids

 <400> 505
 Arg Asp Val Glu Arg Asp Val Phe Leu Tyr Arg Ala Tyr Leu Ala Gln
 1 5 10 15
 Arg Lys Phe Gly Val Val Leu Asp Glu Ile Lys Pro Ser Ser Ala Pro
 20 25 30
 Glu Leu Gln Ala Val Arg Met Phe Ala Asp Tyr Leu Ala His Glu Ser
 35 40 45
 Arg Arg Asp Ser Ile Val Ala Glu Leu Asp Arg Glu Met Ser Arg Ser
 50 55 60
 Xaa Asp Val Thr Asn Thr Thr Phe Leu Leu Met Ala Ala Ser Ile Tyr
 65 70 75 80
 Leu His Asp Gln Asn Pro Asp Ala Ala Leu Arg Ala Leu His Gln Gly
 85 90 95
 Asp Ser Leu Glu Cys Thr Ala Met Thr Val Gln Ile Leu Leu Lys Leu
 100 105 110
 Asp Arg Leu Asp Leu Ala Arg Lys Glu Leu Lys Arg Met Gln Asp Leu
 115 120 125
 Asp Glu Asp Ala Thr Leu Thr Gln Leu Ala Thr Ala Trp Val Ser Leu
 130 135 140
 Ala Thr Gly Gly Glu Lys Leu Gln Asp Ala Tyr Tyr Ile Phe Gln Glu
 145 150 155 160

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 10004550-120701

Met Ala Asp Lys Cys Ser Pro Thr Leu Leu Leu Leu Asn Gly Gln Ala
 165 170 175

Ala Cys His Met Ala Gln Gly Arg Trp Glu Ala Ala Glu Gly Leu Leu
 180 185 190

Gln Glu Ala Leu Asp Lys Asp Ser Gly Tyr Pro Glu Thr Leu Val Asn
 195 200 205

Leu Ile Val Leu Ser Gln His Leu Gly Lys Pro Pro Glu Val Thr Asn
 210 215 220

Arg Tyr Leu Ser Gln Leu Lys Asp Ala His Arg Ser His Pro Phe Ile
 225 230 235 240

Lys Glu Tyr Gln Ala Lys Glu Asn Asp Phe Asp Arg Leu Val Leu Gln
 245 250 255

Tyr Ala Pro Ser Ala
 260

<210> 506

<211> 48

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (39)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (40)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 506

Met Ala Pro Pro Ala Pro Gly Pro Ala Ser Gly Gly Ser Gly Glu Val
 1 5 10 15

Asp Glu Leu Phe Asp Val Lys Asn Ala Phe Tyr Ile Gly Ser Tyr Gln
 20 25 30

Gln Cys Ile Asn Glu Ala Xaa Xaa Val Lys Leu Ser Ser Pro Glu Arg
 35 40 45

<210> 507

<211> 47

<212> PRT

<213> Homo sapiens

<400> 507

10004360-120701

Asp Val Glu Arg Asp Val Phe Leu Tyr Arg Ala Tyr Leu Ala Gln Arg
 1 5 10 15

Lys Phe Gly Val Val Leu Asp Glu Ile Lys Pro Ser Ser Ala Pro Glu
 20 25 30

Leu Gln Ala Val Arg Met Phe Ala Asp Tyr Leu Ala His Glu Ser
 35 40 45

<210> 508

<211> 48

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (17)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 508

Arg Arg Asp Ser Ile Val Ala Glu Leu Asp Arg Glu Met Ser Arg Ser
 1 5 10 15

Xaa Asp Val Thr Asn Thr Thr Phe Leu Leu Met Ala Ala Ser Ile Tyr
 20 25 30

Leu His Asp Gln Asn Pro Asp Ala Ala Leu Arg Ala Leu His Gln Gly
 35 40 45

<210> 509

<211> 47

<212> PRT

<213> Homo sapiens

<400> 509

Asp Ser Leu Glu Cys Thr Ala Met Thr Val Gln Ile Leu Leu Lys Leu
 1 5 10 15

Asp Arg Leu Asp Leu Ala Arg Lys Glu Leu Lys Arg Met Gln Asp Leu
 20 25 30

Asp Glu Asp Ala Thr Leu Thr Gln Leu Ala Thr Ala Trp Val Ser
 35 40 45

<210> 510

<211> 47

<212> PRT

<213> Homo sapiens

<400> 510

Leu Ala Thr Gly Gly Glu Lys Leu Gln Asp Ala Tyr Tyr Ile Phe Gln
 1 5 10 15

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Glu Met Ala Asp Lys Cys Ser Pro Thr Leu Leu Leu Leu Asn Gly Gln
 20 25 30

Ala Ala Cys His Met Ala Gln Gly Arg Trp Glu Ala Ala Glu Gly
 35 40 45

<210> 511
 <211> 48
 <212> PRT
 <213> Homo sapiens

<400> 511
 Leu Leu Gln Glu Ala Leu Asp Lys Asp Ser Gly Tyr Pro Glu Thr Leu
 1 5 10 15

Val Asn Leu Ile Val Leu Ser Gln His Leu Gly Lys Pro Pro Glu Val
 20 25 30

Thr Asn Arg Tyr Leu Ser Gln Leu Lys Asp Ala His Arg Ser His Pro
 35 40 45

<210> 512
 <211> 32
 <212> PRT
 <213> Homo sapiens

<400> 512
 Phe Ile Lys Glu Tyr Gln Ala Lys Glu Asn Asp Phe Asp Arg Leu Val
 1 5 10 15

Leu Gln Tyr Ala Pro Ser Ala Glu Ala Gly Pro Glu Leu Ser Gly Pro
 20 25 30

<210> 513
 <211> 47
 <212> PRT
 <213> Homo sapiens

<400> 513
 Arg Asp Val Glu Arg Asp Val Phe Leu Tyr Arg Ala Tyr Leu Ala Gln
 1 5 10 15

Arg Lys Phe Gly Val Val Leu Asp Glu Ile Lys Pro Ser Ser Ala Pro
 20 25 30

Glu Leu Gln Ala Val Arg Met Phe Ala Asp Tyr Leu Ala His Glu
 35 40 45

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10> 514
 11> 48
 12> PRT
 13> Homo sapiens

20>
 21> SITE
 22> (18)
 23> Xaa equals any of the naturally occurring L-amino acids

400> 514
 er Arg Arg Asp Ser Ile Val Ala Glu Leu Asp Arg Glu Met Ser Arg
 1 5 10 15
 er Xaa Asp Val Thr Asn Thr Thr Phe Leu Leu Met Ala Ala Ser Ile
 20 25 30
 yr Leu His Asp Gln Asn Pro Asp Ala Ala Leu Arg Ala Leu His Gln
 35 40 45

210> 515
 211> 47
 212> PRT
 213> Homo sapiens

400> 515
 ily Asp Ser Leu Glu Cys Thr Ala Met Thr Val Gln Ile Leu Leu Lys
 1 5 10 15
 leu Asp Arg Leu Asp Leu Ala Arg Lys Glu Leu Lys Arg Met Gln Asp
 20 25 30
 leu Asp Glu Asp Ala Thr Leu Thr Gln Leu Ala Thr Ala Trp Val
 35 40 45

<210> 516
 <211> 47
 <212> PRT
 <213> Homo sapiens

<400> 516
 Ser Leu Ala Thr Gly Gly Glu Lys Leu Gln Asp Ala Tyr Tyr Ile Phe
 1 5 10 15
 Gln Glu Met Ala Asp Lys Cys Ser Pro Thr Leu Leu Leu Leu Asn Gly
 20 25 30
 Gln Ala Ala Cys His Met Ala Gln Gly Arg Trp Glu Ala Ala Glu
 35 40 45

<210> 517

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<211> 38
 <212> PRT
 <213> Homo sapiens

<400> 517
 Gly Leu Leu Gln Glu Ala Leu Asp Lys Asp Ser Gly Tyr Pro Glu Thr
 1 5 10 15
 Leu Val Asn Leu Ile Val Leu Ser Gln His Leu Gly Lys Pro Pro Glu
 20 25 30
 Val Thr Asn Arg Tyr Leu
 35

<210> 518
 <211> 34
 <212> PRT
 <213> Homo sapiens
 <400> 518
 Ser Gln Leu Lys Asp Ala His Arg Ser His Pro Phe Ile Lys Glu Tyr
 1 5 10 15
 Gln Ala Lys Glu Asn Asp Phe Asp Arg Leu Val Leu Gln Tyr Ala Pro
 20 25 30
 Ser Ala

<210> 519
 <211> 62
 <212> PRT
 <213> Homo sapiens

<400> 519
 Asn Arg Tyr Tyr Arg Glu Ser Trp Ser Leu Gln Val Pro Val Arg Asn
 1 5 10 15
 Ser Gly Ser Thr His Ala Ser Glu Arg Asn Gly Ala Ser Gly Pro Arg
 20 25 30
 Pro Gly Leu Arg Arg Leu Arg Gly Gly Arg Arg Ala Val Arg Arg Lys
 35 40 45
 Glu Arg Leu Leu His Arg Gln Leu Pro Ala Val His Lys Arg
 50 55 60

<210> 520
 <211> 66
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (4)

10004860.10701

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 520

Ala Pro Gly Xaa Gly Trp Arg Gly Ser Leu Gly Glu Pro Pro Pro Pro
1 5 10 15

Pro Arg Ala Ser Leu Ser Ser Asp Thr Ser Ala Leu Ser Tyr Asp Ser
20 25 30

Val Lys Tyr Thr Leu Val Val Asp Glu His Ala Gln Leu Glu Leu Val
35 40 45

Ser Leu Arg Arg Ala Ser Glu Thr Thr Val Thr Arg Val Thr Leu Pro
50 55 60

Pro Ser
65

<210> 521

<211> 30

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (4)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 521

Ala Pro Gly Xaa Gly Trp Arg Gly Ser Leu Gly Glu Pro Pro Pro Pro
1 5 10 15

Pro Arg Ala Ser Leu Ser Ser Asp Thr Ser Ala Leu Ser Tyr
20 25 30

<210> 522

<211> 36

<212> PRT

<213> Homo sapiens

<400> 522

Asp Ser Val Lys Tyr Thr Leu Val Val Asp Glu His Ala Gln Leu Glu
1 5 10 15

Leu Val Ser Leu Arg Arg Ala Ser Glu Thr Thr Val Thr Arg Val Thr
20 25 30

Leu Pro Pro Ser
35

<210> 523

<211> 156

<212> PRT

<213> Homo sapiens

FOOTNOTES

<400> 523

Met Lys Ala Ile Gly Ile Glu Pro Ser Leu Ala Thr Tyr His His Ile
 1 5 10 15

Ile Arg Leu Phe Asp Gln Pro Gly Asp Pro Leu Lys Arg Ser Ser Phe
 20 25 30

Ile Ile Tyr Asp Ile Met Asn Glu Leu Met Gly Lys Arg Phe Ser Pro
 35 40 45

Lys Asp Pro Asp Asp Asp Lys Phe Phe Gln Ser Ala Met Ser Ile Cys
 50 55 60

Ser Ser Leu Arg Asp Leu Glu Leu Ala Tyr Gln Val His Gly Leu Leu
 65 70 75 80

Lys Thr Gly Asp Asn Trp Lys Phe Ile Gly Pro Asp Gln His Arg Asn
 85 90 95

Phe Tyr Tyr Ser Lys Phe Phe Asp Leu Ile Cys Leu Met Glu Gln Ile
 100 105 110

Asp Val Thr Leu Lys Trp Tyr Glu Asp Leu Ile Pro Ser Ala Tyr Phe
 115 120 125

Pro His Ser Gln Thr Met Ile His Leu Leu Gln Ala Leu Asp Val Ala
 130 135 140

Asn Arg Leu Glu Val Ile Pro Lys Ile Trp Glu Arg
 145 150 155

<210> 524

<211> 176

<212> PRT

<213> Homo sapiens

<400> 524

Lys Asp Ser Lys Glu Tyr Gly His Thr Phe Arg Ser Asp Leu Arg Glu
 1 5 10 15

Glu Ile Leu Met Leu Met Ala Arg Asp Lys His Pro Pro Glu Leu Gln
 20 25 30

Val Ala Phe Ala Asp Cys Ala Ala Asp Ile Lys Ser Ala Tyr Glu Ser
 35 40 45

Gln Pro Ile Arg Gln Thr Ala Gln Asp Trp Pro Ala Thr Ser Leu Asn
 50 55 60

Cys Ile Ala Ile Leu Phe Leu Arg Ala Gly Arg Thr Gln Glu Ala Trp
 65 70 75 80

Lys Met Leu Gly Leu Phe Arg Lys His Asn Lys Ile Pro Arg Ser Glu
 85 90 95

Leu Leu Asn Glu Leu Met Asp Ser Ala Lys Val Ser Asn Ser Pro Ser
 100 105 110

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Gln Ala Ile Glu Val Val Glu Leu Ala Ser Ala Phe Ser Leu Pro Ile
 115 120 125

Cys Glu Gly Leu Thr Gln Arg Val Met Ser Asp Phe Ala Ile Asn Gln
 130 135 140

Glu Gln Lys Glu Ala Leu Ser Asn Leu Thr Ala Leu Thr Ser Asp Ser
 145 150 155 160

Asp Thr Asp Ser Ser Ser Asp Ser Asp Ser Asp Thr Ser Glu Gly Lys
 165 170 175

<210> 525

<211> 49

<212> PRT

<213> Homo sapiens

<400> 525

Met Lys Ala Ile Gly Ile Glu Pro Ser Leu Ala Thr Tyr His His Ile
 1 5 10 15

Ile Arg Leu Phe Asp Gln Pro Gly Asp Pro Leu Lys Arg Ser Ser Phe
 20 25 30

Ile Ile Tyr Asp Ile Met Asn Glu Leu Met Gly Lys Arg Phe Ser Pro
 35 40 45

Lys

<210> 526

<211> 49

<212> PRT

<213> Homo sapiens

<400> 526

Asp Pro Asp Asp Asp Lys Phe Phe Gln Ser Ala Met Ser Ile Cys Ser
 1 5 10 15

Ser Leu Arg Asp Leu Glu Leu Ala Tyr Gln Val His Gly Leu Leu Lys
 20 25 30

Thr Gly Asp Asn Trp Lys Phe Ile Gly Pro Asp Gln His Arg Asn Phe
 35 40 45

Tyr

<210> 527

<211> 28

<212> PRT

10004860.120701

<213> Homo sapiens

<400> 527

Tyr Ser Lys Phe Phe Asp Leu Ile Cys Leu Met Glu Gln Ile Asp Val
1 5 10 15

Thr Leu Lys Trp Tyr Glu Asp Leu Ile Pro Ser Ala
20 25

<210> 528

<211> 30

<212> PRT

<213> Homo sapiens

<400> 528

Tyr Phe Pro His Ser Gln Thr Met Ile His Leu Leu Gln Ala Leu Asp
1 5 10 15

Val Ala Asn Arg Leu Glu Val Ile Pro Lys Ile Trp Glu Arg
20 25 30

<210> 529

<211> 46

<212> PRT

<213> Homo sapiens

<400> 529

Lys Asp Ser Lys Glu Tyr Gly His Thr Phe Arg Ser Asp Leu Arg Glu
1 5 10 15

Glu Ile Leu Met Leu Met Ala Arg Asp Lys His Pro Pro Glu Leu Gln
20 25 30

Val Ala Phe Ala Asp Cys Ala Ala Asp Ile Lys Ser Ala Tyr
35 40 45

<210> 530

<211> 50

<212> PRT

<213> Homo sapiens

<400> 530

Glu Ser Gln Pro Ile Arg Gln Thr Ala Gln Asp Trp Pro Ala Thr Ser
1 5 10 15

Leu Asn Cys Ile Ala Ile Leu Phe Leu Arg Ala Gly Arg Thr Gln Glu
20 25 30

Ala Trp Lys Met Leu Gly Leu Phe Arg Lys His Asn Lys Ile Pro Arg
35 40 45

Ser Glu
50

10004360.120701

<210> 531
 <211> 47
 <212> PRT
 <213> Homo sapiens

<400> 531
 Leu Leu Asn Glu Leu Met Asp Ser Ala Lys Val Ser Asn Ser Pro Ser
 1 5 10 15
 Gln Ala Ile Glu Val Val Glu Leu Ala Ser Ala Phe Ser Leu Pro Ile
 20 25 30
 Cys Glu Gly Leu Thr Gln Arg Val Met Ser Asp Phe Ala Ile Asn
 35 40 45

<210> 532
 <211> 33
 <212> PRT
 <213> Homo sapiens

<400> 532
 Gln Glu Gln Lys Glu Ala Leu Ser Asn Leu Thr Ala Leu Thr Ser Asp
 1 5 10 15
 Ser Asp Thr Asp Ser Ser Ser Asp Ser Asp Ser Asp Thr Ser Glu Gly
 20 25 30

Lys

<210> 533
 <211> 324
 <212> PRT
 <213> Homo sapiens

<400> 533
 Met Ser Ser Asp Asn Glu Ser Asp Ile Glu Asp Glu Asp Leu Lys Leu
 1 5 10 15
 Glu Leu Arg Arg Leu Arg Asp Lys His Leu Lys Glu Ile Gln Asp Leu
 20 25 30
 Gln Ser Arg Gln Lys His Glu Ile Glu Ser Leu Tyr Thr Lys Leu Gly
 35 40 45
 Lys Val Pro Pro Ala Val Ile Ile Pro Pro Ala Ala Pro Leu Ser Gly
 50 55 60
 Arg Arg Arg Arg Pro Thr Lys Ser Lys Gly Ser Lys Ser Ser Arg Ser
 65 70 75 80
 Ser Ser Leu Gly Asn Lys Ser Pro Gln Leu Ser Gly Asn Leu Ser Gly
 85 90 95
 Gln Ser Ala Ala Ser Val Leu His Pro Gln Gln Thr Leu His Pro Pro
 100 105 110

1000460-100704

Gly Asn Ile Pro Glu Ser Gly Gln Asn Gln Leu Leu Gln Pro Leu Lys
 115 120 125
 Pro Ser Pro Ser Ser Asp Asn Leu Tyr Ser Ala Phe Thr Ser Asp Gly
 130 135 140
 Ala Ile Ser Val Pro Ser Leu Ser Ala Pro Gly Gln Gly Thr Ser Ser
 145 150 155 160
 Thr Asn Thr Val Gly Ala Thr Val Asn Ser Gln Ala Ala Gln Ala Gln
 165 170 175
 Pro Pro Ala Met Thr Ser Ser Arg Lys Gly Thr Phe Thr Asp Asp Leu
 180 185 190
 His Lys Leu Val Asp Asn Trp Ala Arg Asp Ala Met Asn Leu Ser Gly
 195 200 205
 Arg Arg Gly Ser Lys Gly His Met Asn Tyr Glu Gly Pro Gly Met Ala
 210 215 220
 Arg Lys Phe Ser Ala Pro Gly Gln Leu Cys Ile Ser Met Thr Ser Asn
 225 230 235 240
 Leu Gly Gly Ser Ala Pro Ile Ser Ala Ala Ser Ala Thr Ser Leu Gly
 245 250 255
 His Phe Thr Lys Ser Met Cys Pro Pro Gln Gln Tyr Gly Phe Pro Ala
 260 265 270
 Thr Pro Phe Gly Ala Gln Trp Ser Gly Thr Gly Gly Pro Ala Pro Gln
 275 280 285
 Pro Leu Gly Gln Phe Gln Pro Val Gly Thr Ala Ser Leu Gln Asn Phe
 290 295 300
 Asn Ile Ser Asn Leu Gln Lys Ser Ile Ser Asn Pro Pro Gly Ser Asn
 305 310 315 320
 Leu Arg Thr Thr

<210> 534

<211> 133

<212> PRT

<213> Homo sapiens

<400> 534

Ile Gln Asp Leu Gln Ser Arg Gln Lys His Glu Ile Glu Ser Leu Tyr
 1 5 10 15

Thr Lys Leu Gly Lys Val Pro Pro Ala Val Ile Ile Pro Pro Ala Ala
 20 25 30

Pro Leu Ser Gly Arg Arg Arg Arg Pro Thr Lys Ser Lys Gly Ser Lys
 35 40 45

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Ser Ser Arg Ser Ser Ser Leu Gly Asn Lys Ser Pro Gln Leu Ser Gly
50 55 60

Asn Leu Ser Gly Gln Ser Ala Ala Ser Val Leu His Pro Gln Gln Thr
65 70 75 80

Leu His Pro Pro Gly Asn Ile Pro Glu Ser Gly Gln Asn Gln Leu Leu
85 90 95

Gln Pro Leu Lys Pro Ser Pro Ser Ser Asp Asn Leu Tyr Ser Ala Phe
100 105 110

Thr Ser Asp Gly Ala Ile Ser Val Pro Ser Leu Ser Ala Pro Gly Gln
115 120 125

Gly Thr Ser Ser Thr
130

<210> 535

<211> 53

<212> PRT

<213> Homo sapiens

<400> 535

Thr Ser Asp Gly Ala Ile Ser Val Pro Ser Leu Ser Ala Pro Gly Gln
1 5 10 15

Gly Thr Ser Ser Thr Asn Thr Val Gly Ala Thr Val Asn Ser Gln Ala
20 25 30

Ala Gln Ala Gln Pro Pro Ala Met Thr Ser Ser Arg Lys Gly Thr Phe
35 40 45

Thr Asp Asp Leu His
50

<210> 536

<211> 48

<212> PRT

<213> Homo sapiens

<400> 536

Lys Gly His Met Asn Tyr Glu Gly Pro Gly Met Ala Arg Lys Phe Ser
1 5 10 15

Ala Pro Gly Gln Leu Cys Ile Ser Met Thr Ser Asn Leu Gly Gly Ser
20 25 30

Ala Pro Ile Ser Ala Ala Ser Ala Thr Ser Leu Gly His Phe Thr Lys
35 40 45

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<210> 537
 <211> 31
 <212> PRT
 <213> Homo sapiens

<400> 537
 Gln Pro Leu Lys Pro Ser Pro Ser Ser Asp Asn Leu Tyr Ser Ala Phe
 1 5 10 15
 Thr Ser Asp Gly Ala Ile Ser Val Pro Ser Leu Ser Ala Pro Gly
 20 25 30

<210> 538
 <211> 51
 <212> PRT
 <213> Homo sapiens

<400> 538
 Met Ser Ser Asp Asn Glu Ser Asp Ile Glu Asp Glu Asp Leu Lys Leu
 1 5 10 15
 Glu Leu Arg Arg Leu Arg Asp Lys His Leu Lys Glu Ile Gln Asp Leu
 20 25 30
 Gln Ser Arg Gln Lys His Glu Ile Glu Ser Leu Tyr Thr Lys Leu Gly
 35 40 45
 Lys Val Pro
 50

<210> 539
 <211> 47
 <212> PRT
 <213> Homo sapiens

<400> 539
 Pro Ala Val Ile Ile Pro Pro Ala Ala Pro Leu Ser Gly Arg Arg Arg
 1 5 10 15
 Arg Pro Thr Lys Ser Lys Gly Ser Lys Ser Ser Arg Ser Ser Ser Leu
 20 25 30
 Gly Asn Lys Ser Pro Gln Leu Ser Gly Asn Leu Ser Gly Gln Ser
 35 40 45

<210> 540
 <211> 50
 <212> PRT
 <213> Homo sapiens

<400> 540
 Ala Ala Ser Val Leu His Pro Gln Gln Thr Leu His Pro Pro Gly Asn
 1 5 10 15
 Ile Pro Glu Ser Gly Gln Asn Gln Leu Leu Gln Pro Leu Lys Pro Ser

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20

25

30

Pro Ser Ser Asp Asn Leu Tyr Ser Ala Phe Thr Ser Asp Gly Ala Ile
 35 40 45

Ser Val
 50

<210> 541
 <211> 44
 <212> PRT
 <213> Homo sapiens

<400> 541
 Pro Ser Leu Ser Ala Pro Gly Gln Gly Thr Ser Ser Thr Asn Thr Val
 1 5 10 15

Gly Ala Thr Val Asn Ser Gln Ala Ala Gln Ala Gln Pro Pro Ala Met
 20 25 30

Thr Ser Ser Arg Lys Gly Thr Phe Thr Asp Asp Leu
 35 40

<210> 542
 <211> 46
 <212> PRT
 <213> Homo sapiens

<400> 542
 His Lys Leu Val Asp Asn Trp Ala Arg Asp Ala Met Asn Leu Ser Gly
 1 5 10 15

Arg Arg Gly Ser Lys Gly His Met Asn Tyr Glu Gly Pro Gly Met Ala
 20 25 30

Arg Lys Phe Ser Ala Pro Gly Gln Leu Cys Ile Ser Met Thr
 35 40 45

<210> 543
 <211> 46
 <212> PRT
 <213> Homo sapiens

<400> 543
 Ser Asn Leu Gly Gly Ser Ala Pro Ile Ser Ala Ala Ser Ala Thr Ser
 1 5 10 15

Leu Gly His Phe Thr Lys Ser Met Cys Pro Pro Gln Gln Tyr Gly Phe
 20 25 30

Pro Ala Thr Pro Phe Gly Ala Gln Trp Ser Gly Thr Gly Gly
 35 40 45

<210> 544

10004850-100704

<211> 40
 <212> PRT
 <213> Homo sapiens

<400> 544
 Pro Ala Pro Gln Pro Leu Gly Gln Phe Gln Pro Val Gly Thr Ala Ser
 1 5 10 15
 Leu Gln Asn Phe Asn Ile Ser Asn Leu Gln Lys Ser Ile Ser Asn Pro
 20 25 30
 Pro Gly Ser Asn Leu Arg Thr Thr
 35 40

<210> 545
 <211> 57
 <212> PRT
 <213> Homo sapiens
 <220>
 <221> SITE
 <222> (10)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (17)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 545
 Val Arg Val Ala Ala Ala Glu Ser Met Xaa Leu Leu Leu Glu Cys Ala
 1 5 10 15
 Xaa Val Arg Gly Pro Glu Tyr Leu Thr Gln Met Trp His Phe Met Cys
 20 25 30
 Asp Ala Leu Ile Lys Ala Ile Gly Thr Glu Pro Asp Ser Asp Val Leu
 35 40 45
 Ser Glu Ile Met His Ser Phe Ala Lys
 50 55

<210> 546
 <211> 85
 <212> PRT
 <213> Homo sapiens

<400> 546
 Met Glu Ile Asn Asn Gln Asn Cys Phe Ile Val Ile Asp Leu Val Arg
 1 5 10 15
 Thr Val Met Glu Asn Gly Val Glu Gly Leu Leu Ile Phe Gly Ala Phe
 20 25 30
 Leu Pro Glu Ser Trp Leu Ile Gly Val Arg Cys Ser Ser Glu Pro Pro
 35 40 45

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Lys Ala Leu Leu Leu Ile Leu Ala His Ser Gln Lys Arg Arg Leu Asp
50 55 60

Gly Trp Ser Phe Ile Arg His Leu Arg Val His Tyr Cys Val Ser Leu
65 70 75 80

Thr Ile His Phe Ser
85

<210> 547
<211> 100
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (8)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (34)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (38)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 547
Gly Gly Arg Glu Ala Asn Lys Xaa Phe Phe Ile Glu Ser Cys Ile Ala
1 5 10 15

Leu Phe Val Ser Phe Ile Ile Asn Val Phe Val Val Ser Val Phe Ala
20 25 30

Glu Xaa Phe Phe Gly Xaa Thr Asn Glu Gln Val Val Glu Val Cys Thr
35 40 45

Asn Thr Ser Ser Pro His Ala Gly Leu Phe Pro Lys Asp Asn Ser Thr
50 55 60

Leu Ala Val Asp Ile Tyr Lys Gly Gly Val Val Leu Gly Cys Tyr Phe
65 70 75 80

Gly Pro Ala Ala Leu Tyr Ile Trp Ala Val Gly Ile Leu Ala Ala Gly
85 90 95

Gln Ser Ser Thr
100

<210> 548
<211> 45
<212> PRT
<213> Homo sapiens

10004860 120701

<220>
 <221> SITE
 <222> (8)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (34)
 <223> Xaa equals any of the naturally occurring L-amino acids.

<220>
 <221> SITE
 <222> (38)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 548
 Gly Gly Arg Glu Ala Asn Lys Xaa Phe Phe Ile Glu Ser Cys Ile Ala
 1 5 10 15
 Leu Phe Val Ser Phe Ile Ile Asn Val Phe Val Val Ser Val Phe Ala
 20 25 30
 Glu Xaa Phe Phe Gly Xaa Thr Asn Glu Gln Val Val Glu
 35 40 45

<210> 549
 <211> 55
 <212> PRT
 <213> Homo sapiens

<400> 549
 Val Cys Thr Asn Thr Ser Ser Pro His Ala Gly Leu Phe Pro Lys Asp
 1 5 10 15
 Asn Ser Thr Leu Ala Val Asp Ile Tyr Lys Gly Gly Val Val Leu Gly
 20 25 30
 Cys Tyr Phe Gly Pro Ala Ala Leu Tyr Ile Trp Ala Val Gly Ile Leu
 35 40 45

Ala Ala Gly Gln Ser Ser Thr
 50 55

<210> 550
 <211> 20
 <212> PRT
 <213> Homo sapiens

<400> 550
 Gln Asp Lys His Ala Glu Glu Val Arg Lys Asn Lys Glu Leu Lys Glu
 1 5 10 15

Glu Ala Ser Arg
 20

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<210> 551
 <211> 92
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (16)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (17)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (20)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (24)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (36)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (43)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 551
 Gln Gln Asp Leu Ser Pro Trp Ala Ala Pro Val Gly Cys Pro Leu Xaa
 1 5 10 15
 Xaa Ala Ser Xaa Thr Cys His Xaa Leu Pro Leu Ser Gly Cys Leu Arg
 20 25 30
 Arg Gln Ser Xaa Ser Leu Pro Val Val Ala Xaa Leu Cys Phe Trp Phe
 35 40 45
 Ser Cys Pro Leu Ala Ser Leu Phe Val Pro Gly Gln Pro Cys Val Thr
 50 55 60
 Cys Pro Phe Pro Ser Leu Pro Phe Gln Asp Lys His Ala Glu Glu Val
 65 70 75 80
 Arg Lys Asn Lys Glu Leu Lys Glu Glu Ala Ser Arg
 85 90

<210> 552
 <211> 37

10004860.120701

<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (31)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 552
Pro Thr Arg Cys Cys Thr Thr Gln Pro Cys Arg Ser Ser Ala Arg Arg
1 5 10 15

Pro Cys Trp Val Pro Met Val Pro Ser Pro Glu Gly Arg Glu Xaa Gln
20 25 30

Pro Thr Cys Pro Ser
35

<210> 553
<211> 363
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (68)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (124)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (211)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 553
Met Lys Arg Ser Leu Asn Glu Asn Ser Ala Arg Ser Thr Ala Gly Cys
1 5 10 15

Leu Pro Val Pro Leu Phe Asn Gln Lys Lys Arg Asn Arg Gln Pro Leu
20 25 30

Thr Ser Asn Pro Leu Lys Asp Asp Ser Gly Ile Ser Thr Pro Ser Asp
35 40 45

Asn Tyr Asp Phe Pro Pro Leu Pro Thr Asp Trp Ala Trp Glu Ala Val
50 55 60

Asn Pro Glu Xaa Ala Pro Val Met Lys Thr Val Asp Thr Gly Gln Ile
65 70 75 80

Pro His Ser Val Ser Arg Pro Leu Arg Ser Gln Asp Ser Val Phe Asn
85 90 95

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Ser Ile Gln Ser Asn Thr Gly Arg Ser Gln Gly Gly Trp Ser Tyr Arg
 100 105 110
 Asp Gly Asn Lys Asn Thr Ser Leu Lys Thr Trp Xaa Lys Asn Asp Phe
 115 120 125
 Lys Pro Gln Cys Lys Arg Thr Asn Leu Val Ala Asn Asp Gly Lys Asn
 130 135 140
 Ser Cys Pro Met Ser Ser Gly Ala Gln Gln Gln Lys Gln Leu Arg Thr
 145 150 155 160
 Pro Glu Pro Pro Asn Leu Ser Arg Asn Lys Glu Thr Glu Leu Leu Arg
 165 170 175
 Gln Thr His Ser Ser Lys Ile Ser Gly Cys Thr Met Arg Gly Leu Asp
 180 185 190
 Lys Asn Ser Ala Leu Gln Thr Leu Lys Pro Asn Phe Gln Gln Asn Gln
 195 200 205
 Tyr Lys Xaa Gln Met Leu Asp Asp Ile Pro Glu Asp Asn Thr Leu Lys
 210 215 220
 Glu Thr Ser Leu Tyr Gln Leu Gln Phe Lys Glu Lys Ala Ser Ser Leu
 225 230 235 240
 Arg Ile Ile Ser Ala Val Ile Glu Ser Met Lys Tyr Trp Arg Glu His
 245 250 255
 Ala Gln Lys Thr Val Leu Leu Phe Glu Val Leu Ala Val Leu Asp Ser
 260 265 270
 Ala Val Thr Pro Gly Pro Tyr Tyr Ser Lys Thr Phe Leu Met Arg Asp
 275 280 285
 Gly Lys Asn Thr Leu Pro Cys Val Phe Tyr Glu Ile Asp Arg Glu Leu
 290 295 300
 Pro Arg Leu Ile Arg Gly Arg Val His Arg Cys Val Gly Asn Tyr Asp
 305 310 315 320
 Gln Lys Lys Asn Ile Phe Gln Cys Val Ser Val Arg Pro Ala Ser Val
 325 330 335
 Ser Glu Gln Lys Thr Phe Gln Ala Phe Val Lys Ile Ala Asp Val Glu
 340 345 350
 Met Gln Tyr Tyr Ile Asn Val Met Asn Glu Thr
 355 360

<210> 554

<211> 45

<212> PRT

<213> Homo sapiens

<220>

1004450-1207

<221> SITE

<222> (35)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 554

Ser Gln Asp Ser Val Phe Asn Ser Ile Gln Ser Asn Thr Gly Arg Ser
1 5 10 15

Gln Gly Gly Trp Ser Tyr Arg Asp Gly Asn Lys Asn Thr Ser Leu Lys
20 25 30

Thr Trp Xaa Lys Asn Asp Phe Lys Pro Gln Cys Lys Arg
35 40 45

<210> 555

<211> 36

<212> PRT

<213> Homo sapiens

<400> 555

Asn Lys Glu Thr Glu Leu Leu Arg Gln Thr His Ser Ser Lys Ile Ser
1 5 10 15

Gly Cys Thr Met Arg Gly Leu Asp Lys Asn Ser Ala Leu Gln Thr Leu
20 25 30

Lys Pro Asn Phe
35

<210> 556

<211> 49

<212> PRT

<213> Homo sapiens

<400> 556

Ser Ser Leu Arg Ile Ile Ser Ala Val Ile Glu Ser Met Lys Tyr Trp
1 5 10 15

Arg Glu His Ala Gln Lys Thr Val Leu Leu Phe Glu Val Leu Ala Val
20 25 30

Leu Asp Ser Ala Val Thr Pro Gly Pro Tyr Tyr Ser Lys Thr Phe Leu
35 40 45

Met

<210> 557

<211> 42

<212> PRT

<213> Homo sapiens

<400> 557

Pro Arg Leu Ile Arg Gly Arg Val His Arg Cys Val Gly Asn Tyr Asp
1 5 10 15

10004360 120701

Gln Lys Lys Asn Ile Phe Gln Cys Val Ser Val Arg Pro Ala Ser Val
 20 25 30

Ser Glu Gln Lys Thr Phe Gln Ala Phe Val
 35 40

<210> 558

<211> 370

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (320)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (334)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (337)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (339)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (341)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (345)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (350)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (352)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (355)

<223> Xaa equals any of the naturally occurring L-amino acids

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<220>

<221> SITE

<222> (360)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 558

Gly Val Phe Arg Pro Cys Val Cys Gly Arg Pro Ala Ser Leu Thr Cys
 1 5 10 15

Ser Pro Leu Asp Pro Glu Val Gly Pro Tyr Cys Asp Thr Pro Thr Met
 20 25 30

Arg Thr Leu Phe Asn Leu Leu Trp Leu Ala Leu Ala Cys Ser Pro Val
 35 40 45

His Thr Thr Leu Ser Lys Ser Asp Ala Lys Lys Ala Ala Ser Lys Thr
 50 55 60

Leu Leu Glu Lys Ser Gln Phe Ser Asp Lys Pro Val Gln Asp Arg Gly
 65 70 75 80

Leu Val Val Thr Asp Leu Lys Ala Glu Ser Val Val Leu Glu His Arg
 85 90 95

Ser Tyr Cys Ser Ala Lys Ala Arg Asp Arg His Phe Ala Gly Asp Val
 100 105 110

Leu Gly Tyr Val Thr Pro Trp Asn Ser His Gly Tyr Asp Val Thr Lys
 115 120 125

Val Phe Gly Ser Lys Phe Thr Gln Ile Ser Pro Val Trp Leu Gln Leu
 130 135 140

Lys Arg Arg Gly Arg Glu Met Phe Glu Val Thr Gly Leu His Asp Val
 145 150 155 160

Asp Gln Gly Trp Met Arg Ala Val Arg Lys His Ala Lys Gly Leu His
 165 170 175

Ile Val Pro Arg Leu Leu Phe Glu Asp Trp Thr Tyr Asp Asp Phe Arg
 180 185 190

Asn Val Leu Asp Ser Glu Asp Glu Ile Glu Glu Leu Ser Lys Thr Val
 195 200 205

Val Gln Val Ala Lys Asn Gln His Phe Asp Gly Phe Val Val Glu Val
 210 215 220

Trp Asn Gln Leu Leu Ser Gln Lys Arg Val Gly Leu Ile His Met Leu
 225 230 235 240

Thr His Leu Ala Glu Ala Leu His Gln Ala Arg Leu Leu Ala Leu Leu
 245 250 255

Val Ile Pro Pro Ala Ile Thr Pro Gly Thr Asp Gln Leu Gly Met Phe
 260 265 270

Thr His Lys Glu Phe Glu Gln Leu Ala Pro Val Leu Asp Gly Phe Ser

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275 280 285
 Leu Met Thr Tyr Asp Tyr Ser Thr Ala His Gln Pro Gly Pro Asn Ala
 290 295 300
 Pro Leu Ser Trp Val Arg Ala Cys Val Gln Val Leu Asp Pro Lys Xaa
 305 310 315 320
 Lys Trp Arg Thr Lys Ser Ser Trp Gly Ser Thr Ser Met Xaa Trp Thr
 325 330 335
 Xaa Arg Xaa Pro Xaa Asp Ala Arg Xaa Pro Val Val Gly Xaa Arg Xaa
 340 345 350
 Ile Gln Xaa Leu Lys Asp His Xaa Pro Arg Met Val Leu Asp Ser Lys
 355 360 365
 Pro Gln
 370
 <210> 559
 <211> 39
 <212> PRT
 <213> Homo sapiens
 <400> 559
 Thr Cys Ser Pro Leu Asp Pro Glu Val Gly Pro Tyr Cys Asp Thr Pro
 1 5 10 15
 Thr Met Arg Thr Leu Phe Asn Leu Leu Trp Leu Ala Leu Ala Cys Ser
 20 25 30
 Pro Val His Thr Thr Leu Ser
 35
 <210> 560
 <211> 54
 <212> PRT
 <213> Homo sapiens
 <400> 560
 Leu Val Val Thr Asp Leu Lys Ala Glu Ser Val Val Leu Glu His Arg
 1 5 10 15
 Ser Tyr Cys Ser Ala Lys Ala Arg Asp Arg His Phe Ala Gly Asp Val
 20 25 30
 Leu Gly Tyr Val Thr Pro Trp Asn Ser His Gly Tyr Asp Val Thr Lys
 35 40 45
 Val Phe Gly Ser Lys Phe
 50
 <210> 561
 <211> 52

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<212> PRT
 <213> Homo sapiens

<400> 561
 Arg Glu Met Phe Glu Val Thr Gly Leu His Asp Val Asp Gln Gly Trp
 1 5 10 15
 Met Arg Ala Val Arg Lys His Ala Lys Gly Leu His Ile Val Pro Arg
 20 25 30
 Leu Leu Phe Glu Asp Trp Thr Tyr Asp Asp Phe Arg Asn Val Leu Asp
 35 40 45
 Ser Glu Asp Glu
 50

<210> 562
 <211> 56
 <212> PRT
 <213> Homo sapiens

<400> 562
 His Phe Asp Gly Phe Val Val Glu Val Trp Asn Gln Leu Leu Ser Gln
 1 5 10 15
 Lys Arg Val Gly Leu Ile His Met Leu Thr His Leu Ala Glu Ala Leu
 20 25 30
 His Gln Ala Arg Leu Leu Ala Leu Leu Val Ile Pro Pro Ala Ile Thr
 35 40 45
 Pro Gly Thr Asp Gln Leu Gly Met
 50 55

<210> 563
 <211> 47
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (36)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 563
 Asp Gly Phe Ser Leu Met Thr Tyr Asp Tyr Ser Thr Ala His Gln Pro
 1 5 10 15
 Gly Pro Asn Ala Pro Leu Ser Trp Val Arg Ala Cys Val Gln Val Leu
 20 25 30
 Asp Pro Lys Xaa Lys Trp Arg Thr Lys Ser Ser Trp Gly Ser Thr
 35 40 45

<210> 564

<211> 152
 <212> PRT
 <213> Homo sapiens

<400> 564
 Glu Arg Gly Val Ser Ile Asn Gln Phe Cys Lys Glu Phe Asn Glu Arg
 1 5 10 15
 Thr Lys Asp Ile Lys Glu Gly Ile Pro Leu Pro Thr Lys Ile Leu Val
 20 25 30
 Lys Pro Asp Arg Thr Phe Glu Ile Lys Ile Gly Gln Pro Thr Val Ser
 35 40 45
 Tyr Phe Leu Lys Ala Ala Ala Gly Ile Glu Lys Gly Ala Arg Gln Thr
 50 55 60
 Gly Lys Glu Val Ala Gly Leu Val Thr Leu Lys His Val Tyr Glu Ile
 65 70 75 80
 Ala Arg Ile Lys Ala Gln Asp Glu Ala Phe Ala Leu Gln Asp Val Pro
 85 90 95
 Leu Ser Ser Val Val Arg Ser Ile Ile Gly Ser Ala Arg Ser Leu Gly
 100 105 110
 Ile Arg Val Val Lys Asp Leu Ser Ser Glu Glu Leu Ala Ala Phe Gln
 115 120 125
 Lys Glu Arg Ala Ile Phe Leu Ala Ala Gln Lys Glu Ala Asp Leu Ala
 130 135 140
 Ala Gln Glu Glu Ala Ala Lys Lys
 145 150

<210> 565
 <211> 51
 <212> PRT
 <213> Homo sapiens

<400> 565
 Glu Arg Gly Val Ser Ile Asn Gln Phe Cys Lys Glu Phe Asn Glu Arg
 1 5 10 15
 Thr Lys Asp Ile Lys Glu Gly Ile Pro Leu Pro Thr Lys Ile Leu Val
 20 25 30
 Lys Pro Asp Arg Thr Phe Glu Ile Lys Ile Gly Gln Pro Thr Val Ser
 35 40 45
 Tyr Phe Leu
 50

<210> 566
 <211> 49
 <212> PRT

10004360120701

<213> Homo sapiens

<400> 566

Lys Ala Ala Ala Gly Ile Glu Lys Gly Ala Arg Gln Thr Gly Lys Glu
1 5 10 15

Val Ala Gly Leu Val Thr Leu Lys His Val Tyr Glu Ile Ala Arg Ile
20 25 30

Lys Ala Gln Asp Glu Ala Phe Ala Leu Gln Asp Val Pro Leu Ser Ser
35 40 45

Val

<210> 567

<211> 52

<212> PRT

<213> Homo sapiens

<400> 567

Val Arg Ser Ile Ile Gly Ser Ala Arg Ser Leu Gly Ile Arg Val Val
1 5 10 15

Lys Asp Leu Ser Ser Glu Glu Leu Ala Ala Phe Gln Lys Glu Arg Ala
20 25 30

Ile Phe Leu Ala Ala Gln Lys Glu Ala Asp Leu Ala Ala Gln Glu Glu
35 40 45

Ala Ala Lys Lys
50

<210> 568

<211> 270

<212> PRT

<213> Homo sapiens

<400> 568

Ala Val Tyr Thr Tyr His Glu Lys Lys Lys Asp Thr Ala Ala Ser Gly
1 5 10 15

Tyr Gly Thr Gln Asn Ile Arg Leu Ser Arg Asp Ala Val Lys Asp Phe
20 25 30

Asp Cys Cys Cys Leu Ser Leu Gln Pro Cys His Asp Pro Val Val Thr
35 40 45

Pro Asp Gly Tyr Leu Tyr Glu Arg Glu Ala Ile Leu Glu Tyr Ile Leu
50 55 60

His Gln Lys Lys Glu Ile Ala Arg Gln Met Lys Ala Tyr Glu Lys Gln
65 70 75 80

Arg Gly Thr Arg Arg Glu Glu Gln Lys Glu Leu Gln Arg Ala Ala Ser
85 90 95

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Gln Asp His Val Arg Gly Phe Leu Glu Lys Glu Ser Ala Ile Val Ser
 100 105 110
 Arg Pro Leu Asn Pro Phe Thr Ala Lys Ala Leu Ser Gly Thr Ser Pro
 115 120 125
 Asp Asp Val Gln Pro Gly Pro Ser Val Gly Pro Pro Ser Lys Asp Lys
 130 135 140
 Asp Lys Val Leu Pro Ser Phe Trp Ile Pro Ser Leu Thr Pro Glu Ala
 145 150 155 160
 Lys Ala Thr Lys Leu Glu Lys Pro Ser Arg Thr Val Thr Cys Pro Met
 165 170 175
 Ser Gly Lys Pro Leu Arg Met Ser Asp Leu Thr Pro Val His Phe Thr
 180 185 190
 Pro Leu Asp Ser Ser Val Asp Arg Val Gly Leu Ile Thr Arg Ser Glu
 195 200 205
 Arg Tyr Val Cys Ala Val Thr Arg Asp Ser Leu Ser Asn Ala Thr Pro
 210 215 220
 Cys Ala Val Leu Arg Pro Ser Gly Ala Val Val Thr Leu Glu Cys Val
 225 230 235 240
 Glu Lys Leu Ile Arg Lys Asp Met Val Asp Pro Val Thr Gly Asp Lys
 245 250 255
 Leu Thr Asp Arg Asp Ile Ile Val Leu Glu Arg Gly Gly Thr
 260 265 270

<210> 569
 <211> 54
 <212> PRT
 <213> Homo sapiens

<400> 569
 Tyr Leu Tyr Glu Arg Glu Ala Ile Leu Glu Tyr Ile Leu His Gln Lys
 1 5 10 15
 Lys Glu Ile Ala Arg Gln Met Lys Ala Tyr Glu Lys Gln Arg Gly Thr
 20 25 30
 Arg Arg Glu Glu Gln Lys Glu Leu Gln Arg Ala Ala Ser Gln Asp His
 35 40 45
 Val Arg Gly Phe Leu Glu
 50

<210> 570
 <211> 64
 <212> PRT
 <213> Homo sapiens

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<400> 570

Phe Thr Ala Lys Ala Leu Ser Gly Thr Ser Pro Asp Asp Val Gln Pro
 1 5 10 15

Gly Pro Ser Val Gly Pro Pro Ser Lys Asp Lys Asp Lys Val Leu Pro
 20 25 30

Ser Phe Trp Ile Pro Ser Leu Thr Pro Glu Ala Lys Ala Thr Lys Leu
 35 40 45

Glu Lys Pro Ser Arg Thr Val Thr Cys Pro Met Ser Gly Lys Pro Leu
 50 55 60

<210> 571

<211> 56

<212> PRT

<213> Homo sapiens

<400> 571

Val His Phe Thr Pro Leu Asp Ser Ser Val Asp Arg Val Gly Leu Ile
 1 5 10 15

Thr Arg Ser Glu Arg Tyr Val Cys Ala Val Thr Arg Asp Ser Leu Ser
 20 25 30

Asn Ala Thr Pro Cys Ala Val Leu Arg Pro Ser Gly Ala Val Val Thr
 35 40 45

Leu Glu Cys Val Glu Lys Leu Ile
 50 55

<210> 572

<211> 66

<212> PRT

<213> Homo sapiens

<400> 572

Met Ser Asp Leu Thr Pro Val His Phe Thr Pro Leu Asp Ser Ser Val
 1 5 10 15

Asp Arg Val Gly Leu Ile Thr Arg Ser Glu Arg Tyr Val Cys Ala Val
 20 25 30

Thr Arg Asp Ser Leu Ser Asn Ala Thr Pro Cys Ala Val Leu Arg Pro
 35 40 45

Ser Gly Ala Val Val Thr Leu Glu Cys Val Glu Lys Leu Ile Arg Lys
 50 55 60

Asp Met
 65

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<210> 573
 <211> 567
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (409)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 573
 Met Asp Thr Ser Glu Asn Arg Pro Glu Asn Asp Val Pro Glu Pro Pro
 1 5 10 15
 Met Pro Ile Ala Asp Gln Val Ser Asn Asp Asp Arg Pro Glu Gly Ser
 20 25 30
 Val Glu Asp Glu Glu Lys Lys Glu Ser Ser Leu Pro Lys Ser Phe Lys
 35 40 45
 Arg Lys Ile Ser Val Val Ser Ala Thr Lys Gly Val Pro Ala Gly Asn
 50 55 60
 Ser Asp Thr Glu Gly Gly Gln Pro Gly Arg Lys Arg Arg Trp Gly Ala
 65 70 75 80
 Ser Thr Ala Thr Thr Gln Lys Lys Pro Ser Ile Ser Ile Thr Thr Glu
 85 90 95
 Ser Leu Lys Ser Leu Ile Pro Asp Ile Lys Pro Leu Ala Gly Gln Glu
 100 105 110
 Ala Val Val Asp Leu His Ala Asp Asp Ser Arg Ile Ser Glu Asp Glu
 115 120 125
 Thr Glu Arg Asn Gly Asp Asp Gly Thr His Asp Lys Gly Leu Lys Ile
 130 135 140
 Cys Arg Thr Val Thr Gln Val Val Pro Ala Glu Gly Gln Glu Asn Gly
 145 150 155 160
 Gln Arg Glu Glu Glu Glu Glu Lys Glu Pro Glu Ala Glu Pro Pro
 165 170 175
 Val Pro Pro Gln Val Ser Val Glu Val Ala Leu Pro Pro Pro Ala Glu
 180 185 190
 His Glu Val Lys Lys Val Thr Leu Gly Asp Thr Leu Thr Arg Arg Ser
 195 200 205
 Ile Ser Gln Gln Lys Ser Gly Val Ser Ile Thr Ile Asp Asp Pro Val
 210 215 220
 Arg Thr Ala Gln Val Pro Ser Pro Pro Arg Gly Lys Ile Ser Asn Ile
 225 230 235 240
 Val His Ile Ser Asn Leu Val Arg Pro Phe Thr Leu Gly Gln Leu Lys

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	245		250		255
Glu Leu Leu Gly Arg Thr Gly Thr Leu Val Glu Glu Ala Phe Trp Ile	260		265		270
Asp Lys Ile Lys Ser His Cys Phe Val Thr Tyr Ser Thr Val Glu Glu	275		280		285
Ala Val Ala Thr Arg Thr Ala Leu His Gly Val Lys Trp Pro Gln Ser	290		295		300
Asn Pro Lys Phe Leu Cys Ala Asp Tyr Ala Glu Gln Asp Glu Leu Asp	305		310		315
Tyr His Arg Gly Leu Leu Val Asp Arg Pro Ser Glu Thr Lys Thr Glu		325		330	335
Glu Gln Gly Ile Pro Arg Pro Leu His Pro Pro Pro Pro Pro Pro Val		340		345	350
Gln Pro Pro Gln His Pro Arg Ala Glu Gln Arg Glu Gln Glu Arg Ala		355		360	365
Val Arg Glu Gln Trp Ala Glu Arg Glu Arg Glu Met Glu Arg Arg Glu		370		375	380
Arg Thr Arg Ser Glu Arg Glu Trp Asp Arg Asp Lys Val Arg Glu Gly		385		390	395
Pro Arg Ser Arg Ser Arg Ser Arg Xaa Arg Arg Arg Lys Glu Arg Ala		405		410	415
Lys Ser Lys Glu Lys Lys Ser Glu Lys Lys Glu Lys Ala Gln Glu Glu		420		425	430
Pro Pro Ala Lys Leu Leu Asp Asp Leu Phe Arg Lys Thr Lys Ala Ala		435		440	445
Pro Cys Ile Tyr Trp Leu Pro Leu Thr Asp Ser Gln Ile Val Gln Lys		450		455	460
Glu Ala Glu Arg Ala Glu Arg Ala Lys Glu Arg Glu Lys Arg Arg Lys		465		470	475
Glu Gln Glu Glu Glu Glu Gln Lys Glu Arg Glu Lys Glu Ala Glu Arg		485		490	495
Glu Arg Asn Arg Gln Leu Glu Arg Glu Lys Arg Arg Glu His Ser Arg		500		505	510
Glu Arg Asp Arg Glu Arg Glu Arg Glu Arg Glu Arg Asp Arg Gly Asp		515		520	525
Arg Asp Arg Asp Arg Glu Arg Asp Arg Glu Arg Gly Arg Glu Arg Asp		530		535	540
Arg Arg Asp Thr Lys Arg His Ser Arg Ser Arg Ser Arg Ser Thr Pro		545		550	555
					560

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Val Arg Asp Arg Gly Gly Arg
565

<210> 574
<211> 48
<212> PRT
<213> Homo sapiens

<400> 574
Glu Asn Asp Val Pro Glu Pro Pro Met Pro Ile Ala Asp Gln Val Ser
1 5 10 15

Asn Asp Asp Arg Pro Glu Gly Ser Val Glu Asp Glu Glu Lys Lys Glu
20 25 30

Ser Ser Leu Pro Lys Ser Phe Lys Arg Lys Ile Ser Val Val Ser Ala
35 40 45

<210> 575
<211> 37
<212> PRT
<213> Homo sapiens

<400> 575
Val Asp Leu His Ala Asp Asp Ser Arg Ile Ser Glu Asp Glu Thr Glu
1 5 10 15

Arg Asn Gly Asp Asp Gly Thr His Asp Lys Gly Leu Lys Ile Cys Arg
20 25 30

Thr Val Thr Gln Val
35

<210> 576
<211> 55
<212> PRT
<213> Homo sapiens

<400> 576
Pro Gln Val Ser Val Glu Val Ala Leu Pro Pro Pro Ala Glu His Glu
1 5 10 15

Val Lys Lys Val Thr Leu Gly Asp Thr Leu Thr Arg Arg Ser Ile Ser
20 25 30

Gln Gln Lys Ser Gly Val Ser Ile Thr Ile Asp Asp Pro Val Arg Thr
35 40 45

Ala Gln Val Pro Ser Pro Pro
50 55

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<210> 577
 <211> 55
 <212> PRT
 <213> Homo sapiens

<400> 577
 Leu Lys Glu Leu Leu Gly Arg Thr Gly Thr Leu Val Glu Glu Ala Phe
 1 5 10 15
 Trp Ile Asp Lys Ile Lys Ser His Cys Phe Val Thr Tyr Ser Thr Val
 20 25 30
 Glu Glu Ala Val Ala Thr Arg Thr Ala Leu His Gly Val Lys Trp Pro
 35 40 45
 Gln Ser Asn Pro Lys Phe Leu
 50 55

<210> 578
 <211> 53
 <212> PRT
 <213> Homo sapiens

<400> 578
 Val Asp Arg Pro Ser Glu Thr Lys Thr Glu Glu Gln Gly Ile Pro Arg
 1 5 10 15
 Pro Leu His Pro Pro Pro Pro Pro Val Gln Pro Pro Gln His Pro
 20 25 30
 Arg Ala Glu Gln Arg Glu Gln Glu Arg Ala Val Arg Glu Gln Trp Ala
 35 40 45
 Glu Arg Glu Arg Glu
 50

<210> 579
 <211> 59
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (19)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 579
 Glu Trp Asp Arg Asp Lys Val Arg Glu Gly Pro Arg Ser Arg Ser Arg
 1 5 10 15
 Ser Arg Xaa Arg Arg Arg Lys Glu Arg Ala Lys Ser Lys Glu Lys Lys
 20 25 30
 Ser Glu Lys Lys Glu Lys Ala Gln Glu Glu Pro Pro Ala Lys Leu Leu
 35 40 45

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Asp Asp Leu Phe Arg Lys Thr Lys Ala Ala Pro
 50 55

<210> 580
 <211> 64
 <212> PRT
 <213> Homo sapiens

<400> 580
 Pro Leu Thr Asp Ser Gln Ile Val Gln Lys Glu Ala Glu Arg Ala Glu
 1 5 10 15
 Arg Ala Lys Glu Arg Glu Lys Arg Arg Lys Glu Gln Glu Glu Glu
 20 25 30
 Gln Lys Glu Arg Glu Lys Glu Ala Glu Arg Glu Arg Asn Arg Gln Leu
 35 40 45
 Glu Arg Glu Lys Arg Arg Glu His Ser Arg Glu Arg Asp Arg Glu Arg
 50 55 60

<210> 581
 <211> 32
 <212> PRT
 <213> Homo sapiens

<400> 581
 Leu Asp Val Pro Leu Ala Ser Arg Ser Pro Glu Phe Pro Leu Pro Leu
 1 5 10 15
 Met Thr Gln Ser Glu Leu Pro Arg Cys Pro Pro His Pro Gly Ala Arg
 20 25 30

<210> 582
 <211> 15
 <212> PRT
 <213> Homo sapiens

<400> 582
 Leu Ala Thr Leu Ser Ile Ser Pro Ile Trp Ser Val Leu Ser Leu
 1 5 10 15

<210> 583
 <211> 51
 <212> PRT
 <213> Homo sapiens

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<400> 583

Gly Cys Asp Ser Cys Pro Pro His Leu Pro Arg Glu Ala Phe Ala Gln
 1 5 10 15

Asp Thr Gln Ala Glu Gly Glu Cys Ser Ser Arg Ala Glu Arg Ala Asp
 20 25 30

Met Cys Pro Asp Ala Pro Pro Ser Gln Glu Val Pro Glu Gly Pro Gly
 35 40 45

Ala Ala Pro
 50

<210> 584

<211> 91

<212> PRT

<213> Homo sapiens

<400> 584

Arg Gly Trp Leu Pro Ser Ser Cys Leu Ser Cys Ala Leu Arg Val Cys
 1 5 10 15

Pro Asp Ser Ser Ser Thr Gln Ala Met Gly Met Leu Leu Ala Phe Trp
 20 25 30

Leu Pro Gly Ala Ser Trp Gln Glu Ala Ala Arg Gly Gln Tyr Ser Glu
 35 40 45

Asp Glu Asp Thr Asp Thr Asp Glu Tyr Lys Glu Ala Lys Ala Ser Ile
 50 55 60

Asn Pro Val Thr Gly Arg Val Glu Glu Lys Pro Pro Asn Pro Met Glu
 65 70 75 80

Gly Met Thr Glu Glu Gln Lys Glu His Glu Ala
 85 90

<210> 585

<211> 27

<212> PRT

<213> Homo sapiens

<400> 585

Thr Gln Ala Met Gly Met Leu Leu Ala Phe Trp Leu Pro Gly Ala Ser
 1 5 10 15

Trp Gln Glu Ala Ala Arg Gly Gln Tyr Ser Glu
 20 25

<210> 586

<211> 50

<212> PRT

<213> Homo sapiens

<400> 586

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Pro Gln Leu Pro Ser Cys Gly Arg Pro Trp Pro Gly Thr Ala Ser Val
 1 5 10 15
 Phe Gln Ser His Thr Gln Gly Pro Arg Glu Asp Pro Asp Pro Cys Arg
 20 25 30
 Ala Gln Gly Ser Ala Gly Thr His Cys Pro Ile Ser Leu Ser Pro Pro
 35 40 45
 Arg Gln
 50

<210> 587

<211> 103

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (23)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (35)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 587

Lys Thr His Pro Arg Ala Leu Trp Ser Ala Gly Pro Ser Cys Ala Leu
 1 5 10 15

Cys Pro Gly Gly Ser Gly Xaa Thr Ser Pro Pro Gln Gly Ala Pro Arg
 20 25 30

Gly Ile Xaa Trp Asp Arg Cys Pro Gln Ile Gln Val Leu Glu Gly Gln
 35 40 45

Arg Val Arg Phe Pro Ser Gln Pro Gln His Pro Ser His Leu Ala Pro
 50 55 60

Arg Gly Gly Cys Gly Trp Arg Pro Asp Ser Arg Pro Leu Leu Pro Thr
 65 70 75 80

Pro Ser Gly Leu Ser Ser Phe Phe Pro Leu Asp Ala Gln Cys Trp Pro
 85 90 95

Trp Arg Thr Val Ser Trp Arg
 100

<210> 588

<211> 200

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

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<222> (25)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (40)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (42)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (174)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (186)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 588

Ala	Gly	Ala	Pro	Gly	Gln	Gln	Ala	Arg	Leu	Gln	Tyr	Leu	Leu	Ser	Phe
1				5					10					15	

Gln	Gly	Glu	Gly	Ala	Pro	His	Glu	Xaa	Gly	Ala	Thr	Gly	Glu	Gly	Gly
		20						25					30		

Asp	Gly	Ala	Trp	Glu	Ala	Cys	Xaa	Cys	Xaa	Arg	Cys	Leu	Leu	Asn	Trp
		35					40					45			

Gln	Ala	Gly	Gly	Trp	Gly	Leu	Gln	Leu	Ser	Leu	Met	Trp	Leu	His	Arg
	50					55					60				

Gly	Pro	Leu	Arg	Pro	Pro	Gly	Val	Arg	Trp	Thr	Pro	Trp	Ala	Phe	Leu
65					70					75					80

Glu	Ala	Cys	Ser	Trp	Gly	Pro	Ala	Leu	Ser	Leu	Leu	Gly	Ser	Gly	His
			85						90					95	

Ser	Leu	Pro	Gly	Thr	His	Glu	Gln	Ala	Ala	Trp	Ser	Arg	Gly	Cys	Gly
		100						105					110		

Gln	His	Gly	Gln	Ser	Pro	Thr	Gln	Lys	Cys	Lys	Ser	Ser	Lys	Glu	Pro
		115					120					125			

Leu	Ala	Gln	Ala	Pro	Pro	Trp	Asp	Ser	Pro	Ala	Ala	Pro	Pro	His	Gln
	130					135					140				

Gly	Phe	Ala	Asp	Val	Leu	Glu	Arg	Pro	Thr	Leu	Glu	Pro	Phe	Gly	Val
145					150					155					160

Leu	Ala	Pro	Pro	Val	Pro	Ser	Ala	Leu	Val	Glu	Ala	Ala	Xaa	Gln	Val
				165					170						175

Leu	Leu	Arg	Glu	Pro	Gln	Gly	Gly	Phe	Xaa	Gly	Thr	Ala	Ala	His	Arg
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

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180

185

190

Ser Arg Cys Trp Lys Gly Ser Gly
195 200

<210> 589
<211> 145
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (44)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (81)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (125)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (142)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 589
Met Gln Leu Leu Phe Leu Leu Pro His Pro Ser Pro Gln Leu His Ala
1 5 10 15

Ser Leu Pro His Ser Ala Ala Leu Pro Cys Pro Arg Gly Glu Ser Leu
20 25 30

Thr Thr Ala Ser Pro Ala Gly Ala Ala Gly Arg Xaa Asp Ala Val Pro
35 40 45

Arg Cys Arg His Gln Ala Gly Arg Gly Trp Val Pro Arg Gly Pro Cys
50 55 60

Glu Arg Gly Gly Gly Asp Arg Gly Lys Pro Arg Ala Val Ala Trp Asp
65 70 75 80

Xaa Gly Ser Leu Arg Trp Ala Val Trp Ser Ala Arg Ala Gly Gln Gly
85 90 95

Arg Ser Ser Glu Pro Ala Pro Leu Ala Ser Arg Arg Gly Tyr Ser Thr
100 105 110

Cys Cys Leu Ser Arg Gly Lys Gly Leu Pro Met Arg Xaa Gly Arg Arg
115 120 125

Gly Arg Gly Val Met Val Pro Gly Lys Pro Ala Cys Ala Xaa Gly Ala
130 135 140

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Cys
145

<210> 590
<211> 34
<212> PRT
<213> Homo sapiens

<400> 590
Gln His Pro Ser His Leu Ala Pro Arg Gly Gly Cys Gly Trp Arg Pro
1 5 10 15
Asp Ser Arg Pro Leu Leu Pro Thr Pro Ser Gly Leu Ser Ser Phe Phe
20 25 30
Pro Leu

<210> 591
<211> 30
<212> PRT
<213> Homo sapiens

<400> 591
Gly Val Arg Trp Thr Pro Trp Ala Phe Leu Glu Ala Cys Ser Trp Gly
1 5 10 15
Pro Ala Leu Ser Leu Leu Gly Ser Gly His Ser Leu Pro Gly
20 25 30

<210> 592
<211> 28
<212> PRT
<213> Homo sapiens

<400> 592
Trp Asp Ser Pro Ala Ala Pro Pro His Gln Gly Phe Ala Asp Val Leu
1 5 10 15
Glu Arg Pro Thr Leu Glu Pro Phe Gly Val Leu Ala
20 25

<210> 593
<211> 28
<212> PRT
<213> Homo sapiens

<400> 593
Arg Ser Ser Glu Pro Ala Pro Leu Ala Ser Arg Arg Gly Tyr Ser Thr
1 5 10 15
Cys Cys Leu Ser Arg Gly Lys Gly Leu Pro Met Arg
20 25

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<210> 594
 <211> 42
 <212> PRT
 <213> Homo sapiens

<400> 594
 Pro Gly Phe Arg Gly Pro Ser Gly Ser Leu Gly Cys Ser Phe Phe Pro
 1 5 10 15
 Arg Ser Leu Gly Arg Val Leu Pro Pro Gly Cys Gln Arg Pro Gly Ala
 20 25 30

His Ala Asp Ser Ser Pro Pro Thr Pro
 35 40

<210> 595
 <211> 84
 <212> PRT
 <213> Homo sapiens

<400> 595
 Glu Asp Leu Lys Lys Pro Asp Pro Ala Ser Leu Arg Ala Ala Ser Cys
 1 5 10 15

Gly Glu Gly Lys Lys Arg Lys Ala Cys Lys Asn Cys Thr Cys Gly Leu
 20 25 30

Ala Glu Glu Leu Glu Lys Glu Lys Ser Arg Glu Gln Met Ser Ser Gln
 35 40 45

Pro Lys Ser Ala Cys Gly Asn Cys Tyr Leu Gly Asp Ala Phe Arg Cys
 50 55 60

Ala Ser Cys Pro Tyr Leu Gly Met Pro Ala Phe Lys Pro Gly Glu Lys
 65 70 75 80

Val Leu Leu Ser

<210> 596
 <211> 90
 <212> PRT
 <213> Homo sapiens

<400> 596
 Glu Asp Leu Lys Lys Pro Asp Pro Ala Ser Leu Arg Ala Ala Ser Cys
 1 5 10 15

Gly Glu Gly Lys Lys Arg Lys Ala Cys Lys Asn Cys Thr Cys Gly Leu
 20 25 30

Ala Glu Glu Leu Glu Lys Glu Lys Ser Arg Glu Gln Met Ser Ser Gln
 35 40 45

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Pro Lys Ser Ala Cys Gly Asn Cys Tyr Leu Gly Asp Ala Phe Arg Cys
 50 55 60

Ala Ser Cys Pro Tyr Leu Gly Met Pro Ala Phe Lys Pro Gly Glu Lys
 65 70 75 80

Val Leu Leu Ser Asp Ser Asn Leu His Asp
 85 90

<210> 597

<211> 34

<212> PRT

<213> Homo sapiens

<400> 597

Cys Gly Asn Cys Tyr Leu Gly Asp Ala Phe Arg Cys Ala Ser Cys Pro
 1 5 10 15

Tyr Leu Gly Met Pro Ala Phe Lys Pro Gly Glu Lys Val Leu Leu Ser
 20 25 30

Asp Ser

<210> 598

<211> 25

<212> PRT

<213> Homo sapiens

<400> 598

Ser Cys Gly Glu Gly Lys Lys Arg Lys Ala Cys Lys Asn Cys Thr Cys
 1 5 10 15

Gly Leu Ala Glu Glu Leu Glu Lys Glu
 20 25

<210> 599

<211> 21

<212> PRT

<213> Homo sapiens

<400> 599

Ser Gln Pro Lys Ser Ala Cys Gly Asn Cys Tyr Leu Gly Asp Ala Phe
 1 5 10 15

Arg Cys Ala Ser Cys
 20

<210> 600

<211> 17

<212> PRT

<213> Homo sapiens

<400> 600

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Arg Glu Ala Gly Gln Asn Ser Glu Arg Gln Tyr Val Ser Leu Ser Arg
 1 5 10 15

Asp

<210> 601

<211> 16

<212> PRT

<213> Homo sapiens

<400> 601

Cys Cys Cys Val Ser Lys Asp Gln Gly Ile Met Gly Pro Gly Phe Arg
 1 5 10 15

<210> 602

<211> 103

<212> PRT

<213> Homo sapiens

<400> 602

His Ser Val Thr Glu Leu Gln Thr Pro Ala Leu Ser Leu Ile Ser Ala
 1 5 10 15

Met Leu Pro Pro Ser Cys Leu Ser Glu Leu Leu Val Tyr Ser Ile Leu
 20 25 30

Cys Asp Thr Ser Gln Val Ala His Asn Leu Leu Arg Ala Pro Glu Asp
 35 40 45

Ser Leu Thr Gly Cys Cys Asp Asp Ile Gln Cys Pro Ser Ala Pro Phe
 50 55 60

His Pro Gln Pro His Leu Thr Val Ala Leu His Leu Cys Pro Val Val
 65 70 75 80

Ile Tyr Val Asn Leu Gln Val Leu Asn Leu Leu His Ile Leu Thr Tyr
 85 90 95

Leu Glu Ile Leu His Val Leu
 100

<210> 603

<211> 24

<212> PRT

<213> Homo sapiens

<400> 603

Leu Leu Val Tyr Ser Ile Leu Cys Asp Thr Ser Gln Val Ala His Asn
 1 5 10 15

Leu Leu Arg Ala Pro Glu Asp Ser

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20

<210> 604
 <211> 26
 <212> PRT
 <213> Homo sapiens

<400> 604
 Leu Thr Val Ala Leu His Leu Cys Pro Val Val Ile Tyr Val Asn Leu
 1 5 10 15

Gln Val Leu Asn Leu Leu His Ile Leu Thr
 20 25

<210> 605
 <211> 55
 <212> PRT
 <213> Homo sapiens

<400> 605
 Phe Phe Asn Ala Leu Tyr Val Phe Arg Lys Pro Gln Ala Ile Phe Asp
 1 5 10 15

Ser Glu Lys Glu Asn Lys Arg Lys Asn Pro Thr Lys Tyr Asn Asn Pro
 20 25 30

Leu Arg Tyr Ile Tyr Phe Lys Val Lys Leu Ile Phe Gln Phe Ile Pro
 35 40 45

Leu Ala Asn Tyr Lys Ile Lys
 50 55

<210> 606
 <211> 90
 <212> PRT
 <213> Homo sapiens

<400> 606
 Glu Ser Ser Gly Gln Ala Arg Thr Leu Ala Asp Pro Gly Pro Gly Trp
 1 5 10 15

Pro Arg Gln Gln Gly Met Cys Phe Gly Ser Leu Thr Gly Leu Ser Thr
 20 25 30

Thr Pro His Gly Phe Leu Thr Val Ser Ala Glu Ala Asp Pro Arg Leu
 35 40 45

Ile Glu Ser Leu Ser Gln Met Leu Ser Met Gly Phe Ser Asp Glu Gly
 50 55 60

Gly Trp Leu Thr Arg Leu Leu Gln Thr Lys Asn Tyr Asp Ile Gly Ala
 65 70 75 80

Ala Leu Asp Thr Ile Gln Tyr Ser Lys His
 85 90

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<210> 607
 <211> 100
 <212> PRT
 <213> Homo sapiens

<400> 607
 Tyr Ser Met Val Tyr Ile Tyr His Ile Phe Phe Ile His Ser Leu Leu
 1 5 10 15
 Asp Gly Gln Leu Gly Trp Phe His Ile Phe Ala Ile Val Ser Cys Ala
 20 25 30
 Ala Pro Asp Ile Ile Phe Asn Ser Phe Ala Phe Ser Thr Tyr Ile Ser
 35 40 45
 Lys Ser Cys Ser Phe Tyr Leu Gln Asn Val Ser Cys Ile His Ser Ser
 50 55 60
 Leu Ser Ile Phe Asn Leu Phe Gln Cys Pro Ile Ile Ser Cys Met Glu
 65 70 75 80
 Glu Cys Asn Asn Trp Leu Thr Gly Leu Phe Leu His Phe Lys Ile Lys
 85 90 95
 Arg Cys Asp Arg
 100

<210> 608
 <211> 67
 <212> PRT
 <213> Homo sapiens

<400> 608
 Leu Ser Pro Ser Pro Arg Cys Cys Pro Trp Ala Ser Leu Met Lys Ala
 1 5 10 15
 Ala Gly Ser Pro Gly Ser Cys Arg Pro Arg Thr Met Thr Ser Glu Arg
 20 25 30
 Leu Trp Thr Pro Ser Ser Ile Gln Ser Ile Pro Arg Arg Cys Asp His
 35 40 45
 Phe Cys Pro Pro Leu Leu Arg Ala Pro Leu Leu Ser His Ser Cys Val
 50 55 60
 Lys Leu Ala
 65

<210> 609
 <211> 34
 <212> PRT
 <213> Homo sapiens

<400> 609

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Gly Trp Pro Arg Gln Gln Gly Met Cys Phe Gly Ser Leu Thr Gly Leu
 1 5 10 15

Ser Thr Thr Pro His Gly Phe Leu Thr Val Ser Ala Glu Ala Asp Pro
 20 25 30

Arg Leu

<210> 610

<211> 33

<212> PRT

<213> Homo sapiens

<400> 610

Leu Gly Trp Phe His Ile Phe Ala Ile Val Ser Cys Ala Ala Pro Asp
 1 5 10 15

Ile Ile Phe Asn Ser Phe Ala Phe Ser Thr Tyr Ile Ser Lys Ser Cys
 20 25 30

Ser

<210> 611

<211> 25

<212> PRT

<213> Homo sapiens

<400> 611

Ser Leu Ser Ile Phe Asn Leu Phe Gln Cys Pro Ile Ile Ser Cys Met
 1 5 10 15

Glu Glu Cys Asn Asn Trp Leu Thr Gly
 20 25

<210> 612

<211> 30

<212> PRT

<213> Homo sapiens

<400> 612

Leu Met Lys Ala Ala Gly Ser Pro Gly Ser Cys Arg Pro Arg Thr Met
 1 5 10 15

Thr Ser Glu Arg Leu Trp Thr Pro Ser Ser Ile Gln Ser Ile
 20 25 30

<210> 613

<211> 152

<212> PRT

<213> Homo sapiens

<220>

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<221> SITE
 <222> (35)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (71)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 613
 Ser Ser Ser Ser Pro Arg Arg Pro Arg Glu Leu Leu Gly Ser Leu Lys
 1 5 10 15
 Thr Pro Leu Val Arg Pro His Ser Ala Pro Leu Asp Leu Pro Gly Ser
 20 25 30
 Phe Cys Xaa His Thr Ala Asp Pro Met Gly Ala Leu His Thr Arg Phe
 35 40 45
 Trp Gly Arg Gln Thr Trp Ile His Arg Lys Leu Arg Leu His Gly Thr
 50 55 60
 Ser Arg Leu Ala Ser Lys Xaa Gly Ile Gln Phe Leu Arg Asn Pro Ser
 65 70 75 80
 Lys Thr His Thr Pro Arg Asp Ala Ala Phe Arg Asp Pro Gly Gln Thr
 85 90 95
 Pro Asp Pro Gln Ser Leu Gln Ala Pro Ser Pro Ser Lys Cys Ser Ala
 100 105 110
 Pro Asn Arg Ala Thr Ser Val Trp Ser Leu Lys Pro Arg Leu Leu Tyr
 115 120 125
 Lys His Arg Pro Ser Ser Asp Lys Thr Pro Pro Pro Gly Arg Gln Ala
 130 135 140
 Pro Leu Leu Phe Phe Ser Ala Gly
 145 150

<210> 614
 <211> 30
 <212> PRT
 <213> Homo sapiens

<400> 614
 Phe Leu Arg Asn Pro Ser Lys Thr His Thr Pro Arg Asp Ala Ala Phe
 1 5 10 15
 Arg Asp Pro Gly Gln Thr Pro Asp Pro Gln Ser Leu Gln Ala
 20 25 30

<210> 615
 <211> 159
 <212> PRT
 <213> Homo sapiens

10004860-120701

<220>
 <221> SITE
 <222> (43)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (155)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 615
 Gln Glu Gly Ser Glu Pro Val Leu Leu Glu Gly Glu Cys Leu Val Val
 1 5 10 15
 Cys Glu Pro Gly Arg Ala Ala Ala Gly Gly Pro Gly Gly Ala Ala Leu
 20 25 30
 Gly Glu Ala Pro Pro Gly Arg Val Ala Phe Xaa Ala Val Arg Ser His
 35 40 45
 His His Glu Pro Ala Gly Glu Thr Gly Asn Gly Thr Ser Gly Ala Ile
 50 55 60
 Tyr Phe Asp Gln Val Leu Val Asn Glu Gly Gly Gly Phe Asp Arg Ala
 65 70 75 80
 Ser Gly Ser Phe Val Ala Pro Val Arg Gly Val Tyr Ser Phe Arg Phe
 85 90 95
 His Val Val Lys Val Tyr Asn Arg Gln Thr Val Gln Val Ser Leu Met
 100 105 110
 Leu Asn Thr Trp Pro Val Ile Ser Ala Phe Ala Asn Asp Pro Asp Val
 115 120 125
 Thr Arg Glu Ala Ala Thr Ser Ser Val Leu Leu Pro Leu Asp Pro Gly
 130 135 140
 Asp Arg Val Ser Leu Arg Leu Arg Arg Gly Xaa Ser Thr Gly Trp
 145 150 155

<210> 616
 <211> 35
 <212> PRT
 <213> Homo sapiens

<400> 616
 Gly Glu Thr Gly Asn Gly Thr Ser Gly Ala Ile Tyr Phe Asp Gln Val
 1 5 10 15
 Leu Val Asn Glu Gly Gly Gly Phe Asp Arg Ala Ser Gly Ser Phe Val
 20 25 30
 Ala Pro Val
 35

10004360.10001

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<400> 617
Asn Asp Pro Asp Val Thr Arg Glu Ala Ala Thr Ser Ser Val Leu Leu
 1              5              10              15
Pro Leu Asp Pro Gly Asp Arg Val Ser
      20              25
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```
<400> 618
Phe His Val Val Lys Val Tyr Asn Arg Gln Thr
      1             5             10
```

```
<400> 619
Ile Tyr Phe Asp Gln Val Leu Val Asn
  1                      5
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<400> 620
Glu Ser Arg Glu Arg Ser Gly Asn Arg Arg Gly Ala Glu Asp Arg Gly
 1             5             10             15
Thr Cys Gly Leu Gln Ser Pro Ser Ala
          20             25

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<220>
<221> SITE
<222> (30)
<223> Xaa equals any of the naturally occurring L-amino acids
<220>
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> SITE
 > (31)
 > Xaa equals any of the naturally occurring L-amino acids

>
 > SITE
 > (34)
 > Xaa equals any of the naturally occurring L-amino acids

>
 > SITE
 > (37)
 > Xaa equals any of the naturally occurring L-amino acids

> 621

Met Pro Gln Phe Tyr Phe Phe Leu Lys Leu Gly Cys Leu Ala Gln
 5 10 15

Pro Met Gln Arg Gly Gly Ile Gly Ala Arg Gly Ser Xaa Xaa Pro
 20 25 30

Xaa Ala Val Xaa Gly Ala Arg Glu Gly Arg Arg Lys Leu Ser Gly
 35 40 45

Gly Phe Leu Cys Leu Lys Asp Leu Gly Pro Ser Glu Arg Glu Asp
 50 55 60

Glu Ala Arg Glu Thr
 70

.0> 622

.1> 27

.2> PRT

.3> Homo sapiens

.00> 622

: Pro Gln Phe Tyr Phe Phe Leu Lys Leu Gly Cys Leu Ala Gln Val
 1 5 10 15

o Met Gln Arg Gly Gly Ile Gly Ala Arg Gly
 20 25

10> 623

11> 185

12> PRT

13> Homo sapiens

.00> 623

n Ala Thr Cys Ser Ala Ser Gly Ser Pro Gly Gln Phe Gly Gly Cys
 1 5 10 15

ir Pro Ser Pro His Gly Thr Gly Ser Cys Arg His Pro Gly Gln Gly
 20 25 30

au Arg Arg Ser Gln Arg Pro Gly Gln Ser His Arg Pro Arg Ser Pro
 35 40 45

10004550 120701

Gly Pro Gly Arg Ser Arg Trp Pro His Trp Cys His Cys Arg Phe Pro
50 55 60

Leu Leu Ala His Gly Gly Gly Phe Gly Pro Gln Gln Met Pro Leu Ala
65 70 75 80

Gln Gly Val Pro Leu Pro Gly Leu Leu Pro Arg Ala Pro Leu Gln Gln
85 90 95

Leu Gly Gln Ala His Arg Pro Pro Gly Thr Pro Pro Pro Ala Gly Arg
100 105 110

Ala Leu Thr Pro Pro Gly Pro Thr Arg Pro Pro Gly Pro Glu Ala Pro
115 120 125

Glu Pro Arg Ala Ala Arg Asp Cys Val Gly Asp Leu Val Ala Ser Val
130 135 140

Ala Trp Leu Pro Thr Trp Leu Arg Gly Ser Ala Thr His Lys Cys Pro
145 150 155 160

Gly Leu Leu Pro Leu Phe Cys Phe Arg Ser Ser Pro Trp Ile Leu Thr
165 170 175

Ala Gly Thr Leu Ile Val Cys Pro Leu
180 185

<210> 624

<211> 25

<212> PRT

<213> Homo sapiens

<400> 624

Gly Cys Thr Pro Ser Pro His Gly Thr Gly Ser Cys Arg His Pro Gly
1 5 10 15

Gln Gly Leu Arg Arg Ser Gln Arg Pro
20 25

<210> 625

<211> 26

<212> PRT

<213> Homo sapiens

<400> 625

Ser Arg Trp Pro His Trp Cys His Cys Arg Phe Pro Leu Leu Ala His
1 5 10 15

Gly Gly Gly Phe Gly Pro Gln Gln Met Pro
20 25

<210> 626

<211> 28

<212> PRT

10004860.120701

<213> Homo sapiens

<400> 626

Asp Cys Val Gly Asp Leu Val Ala Ser Val Ala Trp Leu Pro Thr Trp
1 5 10 15

Leu Arg Gly Ser Ala Thr His Lys Cys Pro Gly Leu
20 25

<210> 627

<211> 115

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (77)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 627

Asp Asp Arg Pro Arg Val Gln His Gln Ala His Leu Asp Ser Leu Ala
1 5 10 15

Val Val His Leu His His Met Glu Pro Glu Ala Val Asp Thr Pro Asp
20 25 30

Arg Gly Tyr Glu Gly Ala Arg Gly Pro Val Lys Ala Thr Ala Leu Val
35 40 45

His Gln Asp Leu Val Glu Val Asp Gly Pro Thr Gly Ala Ile Ala Gly
50 55 60

Phe Pro Cys Trp Leu Met Val Val Ala Ser Asp Arg Xaa Lys Cys His
65 70 75 80

Ser Pro Arg Gly Cys Leu Ser Gln Gly Cys Ser Pro Gly Pro Pro Cys
85 90 95

Ser Ser Ser Ala Arg Leu Thr Asp His Gln Ala Leu Pro Leu Gln Gln
100 105 110

Asp Gly Leu
115

<210> 628

<211> 31

<212> PRT

<213> Homo sapiens

<400> 628

Tyr Glu Gly Ala Arg Gly Pro Val Lys Ala Thr Ala Leu Val His Gln
1 5 10 15

Asp Leu Val Glu Val Asp Gly Pro Thr Gly Ala Ile Ala Gly Phe
20 25 30

1000496012001

<210> 629
 <211> 159
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (22)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 629
 Met Ala Pro Leu Val Pro Leu Pro Val Ser Pro Ala Gly Ser Trp Trp
 1 5 10 15

Trp Leu Arg Thr Ala Xaa Asn Ala Thr Arg Pro Gly Gly Ala Ser Pro
 20 25 30

Arg Ala Ala Pro Pro Gly Pro Pro Ala Ala Ala Arg Pro Gly Ser Gln
 35 40 45

Thr Thr Arg His Ser Pro Ser Ser Arg Thr Gly Ser Asp Pro Ser Trp
 50 55 60

Ala His Pro Ala Pro Arg Ala Arg Ser Thr Arg Thr Lys Gly Ser Pro
 65 70 75 80

Gly Leu Cys Arg Gly Pro Gly Ser Gln Cys Gly Leu Ala Pro Asn Met
 85 90 95

Ala Glu Gly Leu Cys Asn Pro Gln Val Pro Arg Ser Ser Ala Pro Leu
 100 105 110

Leu Phe Pro Leu Leu Ser Leu Asp Ser His Arg Arg His Pro Asp Ser
 115 120 125

Leu Pro Ser Leu Gly Ser Leu Asn Pro Leu Ser Ile Pro Val Ser Gln
 130 135 140

Leu Cys Pro Ala Ser His Ser Tyr Ser Cys Cys His Cys Ser Ser
 145 150 155

<210> 630
 <211> 29
 <212> PRT
 <213> Homo sapiens

<400> 630
 Ser Ser Arg Thr Gly Ser Asp Pro Ser Trp Ala His Pro Ala Pro Arg
 1 5 10 15

Ala Arg Ser Thr Arg Thr Lys Gly Ser Pro Gly Leu Cys
 20 25

<210> 631
 <211> 27

10004460-120701

<212> PRT

<213> Homo sapiens

<400> 631

Arg Arg His Pro Asp Ser Leu Pro Ser Leu Gly Ser Leu Asn Pro Leu
1 5 10 15

Ser Ile Pro Val Ser Gln Leu Cys Pro Ala Ser
20 25

<210> 632

<211> 31

<212> PRT

<213> Homo sapiens

<400> 632

Ser Thr His Ala Ser Gly Pro Pro Ala Pro Glu Arg Leu Cys Leu Pro
1 5 10 15

Glu Arg Gly Thr Ala Pro Trp Gly Arg Arg Ala Asn Asp Ala Ala
20 25 30

<210> 633

<211> 181

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (56)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (57)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (60)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (83)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (84)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (165)

<223> Xaa equals any of the naturally occurring L-amino acids

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<400> 633

Val Arg Arg Trp Trp Leu Arg Thr Met Gly Ala Ala Ala His Cys Thr
 1 5 10 15

Pro Glu Gln Arg Arg Pro Arg Arg Pro Ala Thr Ile Leu Gly Met Asp
 20 25 30

Thr Gln Asn Ile Leu His Thr Arg Leu Ser Leu Cys Ser Leu Ser Trp
 35 40 45

Val Ser Leu Ala Ser Ser Phe Xaa Xaa Leu Ala Xaa Arg Arg Lys Ala
 50 55 60

Ile Val Val Gln Gln Lys Gln Ser Lys Ile Ser Lys Lys Lys Lys Val
 65 70 75 80

Glu Lys Xaa Xaa Leu Asn Asp Ser Val Asn Glu Asn Ser Asp Thr Val
 85 90 95

Gly Gln Ile Val His Tyr Ile Met Lys Asn Glu Ala Asn Ala Asp Val
 100 105 110

Leu Lys Ala Met Val Ala Asp Asn Ser Leu Tyr Asp Pro Glu Ser Pro
 115 120 125

Val Thr Pro Ser Thr Pro Gly Ser Pro Pro Val Ser Pro Gly Leu Cys
 130 135 140

His Gln Gly Gly Arg Gln Gly Ser Thr Ser Val Ala Ile Ile Cys Ile
 145 150 155 160

Arg Trp Ala Val Xaa Ser Arg Gly Met Cys Val Ile Gly Val Gly Thr
 165 170 175

Ser Gly Gly Thr Leu
 180

<210> 634

<211> 29

<212> PRT

<213> Homo sapiens

<400> 634

Ile Met Lys Asn Glu Ala Asn Ala Asp Val Leu Lys Ala Met Val Ala
 1 5 10 15

Asp Asn Ser Leu Tyr Asp Pro Glu Ser Pro Val Thr Pro
 20 25

<210> 635

<211> 143

<212> PRT

<213> Homo sapiens

<220>

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<221> SITE

<222> (77)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 635

His Cys His Leu Trp Ala Ser Gly Ser Cys Leu Ala Cys Phe Phe Pro
1 5 10 15

Gly Gly Leu Thr Arg Asp Ala Ala Gln Gln His Val Thr Lys Ser Tyr
20 25 30

Ser Pro Pro Tyr Leu Ser Gln Thr Ser His Ser Cys Leu Val Phe Gln
35 40 45

Pro Val Leu Trp Pro Glu Tyr Thr Phe Trp Asn Leu Phe Glu Ala Ile
50 55 60

Leu Gln Phe Gln Met Asn His Ser Val Leu Gln Gln Xaa Gly Pro Arg
65 70 75 80

His Val Cys Arg Gly Ala Glu Glu Ala Ala Ala Gly Glu Gly Pro Gly
85 90 95

Tyr Ser Asp Arg Ala Ala Ala Ala Arg Gly Ala Pro Ser Gln Trp Gly
100 105 110

Arg Pro Ala Pro Lys Asp Thr Leu Ala Gln Thr Leu Gly Gln Thr Gly
115 120 125

Arg Ala Ser Pro Arg Leu Pro Ala Gly Leu Gly Thr Gln Ala Ser
130 135 140

<210> 636

<211> 28

<212> PRT

<213> Homo sapiens

<400> 636

Pro Ala Pro Lys Asp Thr Leu Ala Gln Thr Leu Gly Gln Thr Gly Arg
1 5 10 15

Ala Ser Pro Arg Leu Pro Ala Gly Leu Gly Thr Gln
20 25

<210> 637

<211> 85

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (7)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 637

Thr Ile Ala Cys Phe Ser Xaa Lys Ala Arg Asp Met Tyr Ala Glu Glu

10004660-120701

1 5 10 15

Arg Lys Arg Gln Gln Leu Glu Arg Asp Gln Ala Thr Val Thr Glu Gln
 20 25 30

Leu Leu Arg Glu Gly Leu Gln Ala Ser Gly Asp Ala Gln Leu Arg Arg
 35 40 45

Thr Arg Leu His Lys Leu Ser Ala Arg Arg Glu Glu Arg Val Gln Gly
 50 55 60

Phe Leu Gln Ala Leu Glu Leu Lys Arg Ala Asp Trp Leu Ala Arg Leu
 65 70 75 80

Gly Thr Ala Ser Ala
 85

<210> 638
 <211> 28
 <212> PRT
 <213> Homo sapiens

<400> 638
 Leu Arg Arg Thr Arg Leu His Lys Leu Ser Ala Arg Arg Glu Glu Arg
 1 5 10 15

Val Gln Gly Phe Leu Gln Ala Leu Glu Leu Lys Arg
 20 25

<210> 639
 <211> 112
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (15)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 639
 Lys Met Asn Ser Ile Pro Trp Gln Ile Pro Lys Ile Thr Pro Xaa Leu
 1 5 10 15

Asp Ala Asn Leu Val Ile Val Glu Cys Lys Pro Leu Trp Phe Cys Ile
 20 25 30

Gly Thr Ile Lys Gln Leu Lys Leu Trp Asn Gln Val Phe Met Gly Phe
 35 40 45

Lys Ser Met Phe Phe Arg Ile Gly Lys Leu Asn Tyr Leu Phe Thr Ile
 50 55 60

Pro Tyr Cys Tyr Leu Phe Ile Asp Asn Ile Leu Gly Ile Phe Tyr Ser
 65 70 75 80

Ile Leu Gly Ala Gln Gly Ile Lys Tyr Asn Phe Tyr Ile Gln Arg Ile

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85

90

95

Phe Thr Cys Leu Leu Asn Leu Asn Leu Lys Ile His Ser Asn Leu Ala
 100 105 110

<210> 640

<211> 27

<212> PRT

<213> Homo sapiens

<400> 640

Leu Trp Phe Cys Ile Gly Thr Ile Lys Gln Leu Lys Leu Trp Asn Gln
 1 5 10 15

Val Phe Met Gly Phe Lys Ser Met Phe Phe Arg
 20 25

<210> 641

<211> 26

<212> PRT

<213> Homo sapiens

<400> 641

Tyr Ser Ile Leu Gly Ala Gln Gly Ile Lys Tyr Asn Phe Tyr Ile Gln
 1 5 10 15

Arg Ile Phe Thr Cys Leu Leu Asn Leu Asn
 20 25

<210> 642

<211> 9

<212> PRT

<213> Homo sapiens

<400> 642

Thr Phe Lys Leu Val Arg Phe Leu Glu
 1 5

<210> 643

<211> 32

<212> PRT

<213> Homo sapiens

<400> 643

Pro Arg Ser Arg Pro Ala Leu Arg Pro Gly Arg Gln Arg Pro Pro Ser
 1 5 10 15

His Ser Ala Thr Ser Gly Val Leu Arg Pro Arg Lys Lys Pro Asp Pro
 20 25 30

10004330-100701

<210> 644
 <211> 120
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (105)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (115)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 644
 Arg Lys Ser Phe Ala Lys Pro Val Leu Trp Thr Asn Ala Ile Gln Ala
 1 5 10 15
 Gly Arg Gly Arg Val Leu Cys Tyr Thr Arg Pro Pro Pro Ala Ser Ser
 20 25 30
 Ser Phe Ser Ala Leu Val Pro Asp Gly Asn Arg Met Glu Gly Leu Arg
 35 40 45
 Thr Tyr Phe Leu Asn Ala Phe Asp Pro Gly Thr Asp Tyr Leu Tyr Leu
 50 55 60
 Phe Pro Phe Ser Phe Thr Val Thr Phe Gln His Cys Leu Thr Val Arg
 65 70 75 80
 Trp Ala Phe Glu Ser Leu Gln Val Pro Gln Asn Arg Pro Glu Arg Trp
 85 90 95
 Ala Ser His Pro Leu Pro Thr His Xaa Pro Ala Tyr Leu Pro Asp Asn
 100 105 110
 Gln Val Xaa Met Ser Ala Ser Gly
 115 120

<210> 645
 <211> 25
 <212> PRT
 <213> Homo sapiens

<400> 645
 Gly Asn Arg Met Glu Gly Leu Arg Thr Tyr Phe Leu Asn Ala Phe Asp
 1 5 10 15
 Pro Gly Thr Asp Tyr Leu Tyr Leu Phe
 20 25

<210> 646

10004350-120701

<211> 30
 <212> PRT
 <213> Homo sapiens

<400> 646
 Phe Gln His Cys Leu Thr Val Arg Trp Ala Phe Glu Ser Leu Gln Val
 1 5 10 15

Pro Gln Asn Arg Pro Glu Arg Trp Ala Ser His Pro Leu Pro
 20 25 30

<210> 647
 <211> 31
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (8)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (13)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 647
 Met Thr Leu Ile Thr Pro Ser Xaa Lys Leu Thr Phe Xaa Lys Gly Asn
 1 5 10 15

Lys Ser Trp Ser Ser Arg Ala Cys Ser Ser Thr Leu Val Asp Pro
 20 25 30

<210> 648
 <211> 14
 <212> PRT
 <213> Homo sapiens

<400> 648
 Phe Leu Phe Leu His Ala Val Asp Pro Trp Pro Ser Asn Gly
 1 5 10

<210> 649
 <211> 61
 <212> PRT
 <213> Homo sapiens

<400> 649
 Trp Ser Cys Gln Ser Gly Val Phe Leu Val Phe Thr Gly Cys Ser Val
 1 5 10 15

Leu Cys Gln Met Leu Ser Gly Ala Val Val Val Trp Arg Arg Ser Ala
 20 25 30

Pro Glu Asp Ser Ala Val Trp Gln Ala Ser Ile Asn Lys Pro Arg Gly

10004350-12001

35

40

45

Lys Gly Arg His Gly Ile Lys Gly Glu Asn Thr Ser Val
 50 55 60

<210> 650
 <211> 35
 <212> PRT
 <213> Homo sapiens

<400> 650
 Leu Val Phe Thr Gly Cys Ser Val Leu Cys Gln Met Leu Ser Gly Ala
 1 5 10 15

Val Val Val Trp Arg Arg Ser Ala Pro Glu Asp Ser Ala Val Trp Gln
 20 25 30

Ala Ser Ile
 35

<210> 651
 <211> 51
 <212> PRT
 <213> Homo sapiens

<400> 651
 Gly His Pro Ser Pro Ala Leu Ser Ile Ala Pro Ser Asp Gly Ser Gln
 1 5 10 15

Leu Pro Cys Asp Glu Val Pro Tyr Gly Glu Ala His Val Thr Arg Tyr
 20 25 30

Cys Lys Lys Pro Leu Thr Asn Ser His Leu Glu Thr Glu Ala Gln Ser
 35 40 45

Ser Ser Leu
 50

<210> 652
 <211> 151
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (131)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (145)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 652
 Asn Asn Lys His Tyr Leu Ser Phe Cys Gly Ser Gly Phe Cys Pro Val

10004560-20701

1 5 10 15
 Tyr Leu Gly Phe Thr Gly Leu Ala Ser His Gln Ala Val Lys Val Leu
 20 25 30
 Val Val Ala Val Ile Ile Pro Arg Gln Asp Arg Glu Arg Ile Cys Leu
 35 40 45
 Gln Ala Gln Val Gly Arg Ile His Leu Arg Gly Cys Trp Thr Gly Pro
 50 55 60
 Pro Phe Leu Asp Gly Tyr Trp Ser Glu Ala Phe Tyr Asn Thr Leu Ser
 65 70 75 80
 Arg Gly Pro Leu His Arg Ala Pro His His Met Ala Thr Gly Phe His
 85 90 95
 Gln Arg Glu Gln Trp Lys Glu Gln Glu Lys Gly Asp Gln Gly Arg His
 100 105 110
 Arg Ser Leu Leu Val Ala Ser Pro Gln Lys Arg Cys Tyr Phe Cys Cys
 115 120 125
 Ile Leu Xaa Val Arg Ser Glu Ser Leu Gly Pro Gly Val Glu Phe Tyr
 130 135 140
 Xaa Gly Val Asn Gly Arg Arg
 145 150

<210> 653
 <211> 32
 <212> PRT
 <213> Homo sapiens

<400> 653
 Glu Arg Ile Cys Leu Gln Ala Gln Val Gly Arg Ile His Leu Arg Gly
 1 5 10 15
 Cys Trp Thr Gly Pro Pro Phe Leu Asp Gly Tyr Trp Ser Glu Ala Phe
 20 25 30

<210> 654
 <211> 26
 <212> PRT
 <213> Homo sapiens

<400> 654
 Ser Asp Gly Ser Gln Leu Pro Cys Asp Glu Val Pro Tyr Gly Glu Ala
 1 5 10 15
 His Val Thr Arg Tyr Cys Lys Lys Pro Leu
 20 25

10004560.20701

<210> 655
 <211> 27
 <212> PRT
 <213> Homo sapiens

<400> 655
 His Gln Arg Glu Gln Trp Lys Glu Gln Glu Lys Gly Asp Gln Gly Arg
 1 5 10 15
 His Arg Ser Leu Leu Val Ala Ser Pro Gln Lys
 20 25

<210> 656
 <211> 263
 <212> DNA
 <213> Homo sapiens

<400> 656
 GCTTCGTGTC CAACCCTCTT GCCCTTCGCC TGTGTGCCTG GAGCCAGTCC CACCACGCTC 60
 GCGTTTCCTC CTGTAGTGCT CACAGGTCCC AGCACCGATG GCATTCCCTT TGCCCTGAGT 120
 CTGCAGCGGG TCCCTTTTGT GCTTCCTTCC CCTCAGGTAG CCTCTCTCCC CCTGGGCCAC 180
 TCCCGGGGGT GAGGGGGTTA CCCCTTCCCA GTGTTTTTTA TTCCTGTGGG GCTCACCCCA 240
 AAGTATTAAA AGTAGCTTTG TAA 263

<210> 657
 <211> 263
 <212> DNA
 <213> Homo sapiens

<400> 657
 GCTTCGTGTC CAACCCTCTT GCCCTTCGCC TGTGTGCCTG GAGCCAGTCC CACCACGCTC 60
 GCGTTTCCTC CTGTAGTGCT CACAGGTCCC AGCACCGATG GCATTCCCTT TGCCCTGAGT 120
 CTGCAGCGGG TCCCTTTTGT GCTTCCTTCC CCTCAGGTAG CCTCTCTCCC CCTGGGCCAC 180
 TCCCGGGGGT GAGGGGGTTA CCCCTTCCCA GTGTTTTTTA TTCCTGTGGG GCTCACCCCA 240
 AAGTATTAAA AGTAGCTTTG TAA 263

<210> 658
 <211> 263
 <212> DNA
 <213> Homo sapiens

<400> 658
 GCTTCGTGTC CAACCCTCTT GCCCTTCGCC TGTGTGCCTG GAGCCAGTCC CACCACGCTC 60

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GCGTTTCCTC CTGTAGTGCT CACAGGTCCC AGCACCGATG GCATTCCCTT TGCCCTGAGT 120
 CTGCAGCGGG TCCCTTTTGT GCTTCCTTCC CCTCAGGTAG CCTCTCTCCC CCTGGGCCAC 180
 TCCCGGGGGT GAGGGGGTTA CCCCTTCCCA GTGTTTTTTA TTCCTGTGGG GCTCACCCCA 240
 AAGTATTAAA AGTAGCTTTG TAA 263

<210> 659

<211> 56

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (10)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 659

Phe Arg Ile Asn Arg Leu Thr Ile Gly Xaa Ala Val Ala Met Thr Arg
 1 5 10 15

Gly Asn Gln Arg Glu Leu Ala Arg Gln Lys Asn Met Lys Lys Gln Ser
 20 25 30

Asp Ser Val Lys Gly Lys Arg Arg Asp Asp Gly Leu Ser Ala Ala Ala
 35 40 45

Arg Lys Gln Arg Asp Ser Glu Ile
 50 55

<210> 660

<211> 29

<212> PRT

<213> Homo sapiens

<400> 660

Ala Val Ala Met Thr Arg Gly Asn Gln Arg Glu Leu Ala Arg Gln Lys
 1 5 10 15

Asn Met Lys Lys Gln Ser Asp Ser Val Lys Gly Lys Arg
 20 25

<210> 661

<211> 110

<212> PRT

<213> Homo sapiens

<400> 661

Lys Ser Arg Ala Thr Arg Leu Arg Glu Ser Ala Glu Met Thr Gly Phe
 1 5 10 15

Leu Leu Pro Pro Ala Ser Arg Gly Thr Arg Arg Ser Cys Ser Arg Ser
 20 25 30

Arg Lys Arg Gln Thr Arg Arg Arg Arg Asn Pro Ser Ser Phe Val Ala
35 40 45

Ser Cys Pro Thr Leu Leu Pro Phe Ala Cys Val Pro Gly Ala Ser Pro
50 55 60

Thr Thr Leu Ala Phe Pro Pro Val Val Leu Thr Gly Pro Ser Thr Asp
65 70 75 80

Gly Ile Pro Phe Ala Leu Ser Leu Gln Arg Val Pro Phe Val Leu Pro
85 90 95

Ser Pro Gln Val Ala Ser Leu Pro Leu Gly His Ser Arg Gly
100 105 110

<210> 662

<211> 26

<212> PRT

<213> Homo sapiens

<400> 662

Leu Arg Glu Ser Ala Glu Met Thr Gly Phe Leu Leu Pro Pro Ala Ser
1 5 10 15

Arg Gly Thr Arg Arg Ser Cys Ser Arg Ser
20 25

<210> 663

<211> 30

<212> PRT

<213> Homo sapiens

<400> 663

Val Val Leu Thr Gly Pro Ser Thr Asp Gly Ile Pro Phe Ala Leu Ser
1 5 10 15

Leu Gln Arg Val Pro Phe Val Leu Pro Ser Pro Gln Val Ala
20 25 30

<210> 664

<211> 59

<212> PRT

<213> Homo sapiens

<400> 664

Leu Leu Ser Thr Ser His Leu Leu Thr Gln Ser Tyr Ser Phe Asn Lys
1 5 10 15

Arg Ser His Ser Phe Ala Trp Lys Asn Ala His Cys Ile Leu Gln Ser
20 25 30

Glu Asn Asn Glu Leu Gln Asn Ser Val Tyr Ile Tyr Val Cys Ile Tyr
35 40 45

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Val His Phe Ile Cys Thr Phe Leu Cys Asp Ile
50 55

<210> 665
<211> 32
<212> PRT
<213> Homo sapiens

<400> 665
Lys Arg Ser His Ser Phe Ala Trp Lys Asn Ala His Cys Ile Leu Gln
1 5 10 15

Ser Glu Asn Asn Glu Leu Gln Asn Ser Val Tyr Ile Tyr Val Cys Ile
20 25 30

<210> 666
<211> 160
<212> DNA
<213> Homo sapiens

<400> 666
TGGCTCACTG TCTTACAATC ACTGCTGTGG AATCATGATA CCACTTTTAG CTCTTTGCAT 60
CTTCCTTCAG TGTATTTTGG TTTTCAAGA GGAAGTAGAT TTAACTGGA CAACTTTGAG 120
TACTGACATC ATTGATAAAT AAACTGGCTT GTGGTTTCAA 160

<210> 667
<211> 292
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (105)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 667
Leu Asp Glu Leu Met Ala His Leu Thr Glu Met Gln Ala Lys Val Ala
1 5 10 15

Val Arg Ala Asp Ala Gly Lys Lys His Leu Pro Asp Lys Gln Asp His
20 25 30

Lys Ala Ser Leu Asp Ser Met Leu Gly Gly Leu Glu Gln Glu Leu Gln
35 40 45

Asp Leu Gly Ile Ala Thr Val Pro Lys Gly His Cys Ala Ser Cys Gln
50 55 60

Lys Pro Ile Ala Gly Lys Val Ile His Ala Leu Gly Gln Ser Trp His

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Lys Pro Ile Ala Gly Lys Val Ile His Ala Leu

35

40

<210> 669
 <211> 50
 <212> PRT
 <213> Homo sapiens

<400> 669
 Cys Pro Asn Asp Tyr His Gln Leu Phe Ser Pro Arg Cys Ala Tyr Cys
 1 5 10 15

Ala Ala Pro Ile Leu Asp Lys Val Leu Thr Ala Met Asn Gln Thr Trp
 20 25 30

His Pro Glu His Phe Phe Cys Ser His Cys Gly Glu Val Phe Gly Ala
 35 40 45

Glu Gly
 50

<210> 670
 <211> 67
 <212> PRT
 <213> Homo sapiens

<400> 670
 Asp Lys Lys Pro Tyr Cys Arg Lys Asp Phe Leu Ala Met Phe Ser Pro
 1 5 10 15

Lys Cys Gly Gly Cys Asn Arg Pro Val Leu Glu Asn Tyr Leu Ser Ala
 20 25 30

Met Asp Thr Val Trp His Pro Glu Cys Phe Val Cys Gly Asp Cys Phe
 35 40 45

Thr Ser Phe Ser Thr Gly Ser Phe Phe Glu Leu Asp Gly Arg Pro Phe
 50 55 60

Cys Glu Leu
 65

<210> 671
 <211> 46
 <212> PRT
 <213> Homo sapiens

<400> 671
 Cys Gly Gln Pro Ile Thr Gly Arg Cys Ile Ser Ala Met Gly Tyr Lys
 1 5 10 15

Phe His Pro Glu His Phe Val Cys Ala Phe Cys Leu Thr Gln Leu Ser
 20 25 30

Lys Gly Ile Phe Arg Glu Gln Asn Asp Lys Thr Tyr Cys Gln
 35 40 45

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<210> 672
 <211> 334
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (8)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (145)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 672
 His Lys Ser Leu Ala Gly Ala Xaa Val Tyr Thr Thr Asn Ile Gln Glu
 1 5 10 15
 Leu Asn Val Tyr Ser Glu Ala Gln Glu Pro Lys Glu Ser Pro Pro Pro
 20 25 30
 Ser Lys Thr Ser Ala Ala Ala Gln Leu Asp Glu Leu Met Ala His Leu
 35 40 45
 Thr Glu Met Gln Ala Lys Val Ala Val Arg Ala Asp Ala Gly Lys Lys
 50 55 60
 His Leu Pro Asp Lys Gln Asp His Lys Ala Ser Leu Asp Ser Met Leu
 65 70 75 80
 Gly Gly Leu Glu Gln Glu Leu Gln Asp Leu Gly Ile Ala Thr Val Pro
 85 90 95
 Lys Gly His Cys Ala Ser Cys Gln Lys Pro Ile Ala Gly Lys Val Ile
 100 105 110
 His Ala Leu Gly Gln Ser Trp His Pro Glu His Phe Val Cys Thr His
 115 120 125
 Cys Lys Glu Glu Ile Gly Ser Ser Pro Phe Phe Glu Arg Ser Gly Leu
 130 135 140
 Xaa Tyr Cys Pro Asn Asp Tyr His Gln Leu Phe Ser Pro Arg Cys Ala
 145 150 155 160
 Tyr Cys Ala Ala Pro Ile Leu Asp Lys Val Leu Thr Ala Met Asn Gln
 165 170 175
 Thr Trp His Pro Glu His Phe Phe Cys Ser His Cys Gly Glu Val Phe
 180 185 190
 Gly Ala Glu Gly Phe His Glu Lys Asp Lys Lys Pro Tyr Cys Arg Lys
 195 200 205
 Asp Phe Leu Ala Met Phe Ser Pro Lys Cys Gly Gly Cys Asn Arg Pro

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210 215 220

Val Leu Glu Asn Tyr Leu Ser Ala Met Asp Thr Val Trp His Pro Glu
 225 230 235 240

Cys Phe Val Cys Gly Asp Cys Phe Thr Ser Phe Ser Thr Gly Ser Phe
 245 250 255

Phe Glu Leu Asp Gly Arg Pro Phe Cys Glu Leu His Tyr His His Arg
 260 265 270

Arg Gly Thr Leu Cys His Gly Cys Gly Gln Pro Ile Thr Gly Arg Cys
 275 280 285

Ile Ser Ala Met Gly Tyr Lys Phe His Pro Glu His Phe Val Cys Ala
 290 295 300

Phe Cys Leu Thr Gln Leu Ser Lys Gly Ile Phe Arg Glu Gln Asn Asp
 305 310 315 320

Lys Thr Tyr Cys Gln Pro Cys Phe Asn Lys Leu Phe Pro Leu
 325 330

<210> 673

<211> 22

<212> PRT

<213> Homo sapiens

<400> 673

Asn Val Tyr Ser Glu Ala Gln Glu Pro Lys Glu Ser Pro Pro Ser
 1 5 10 15

Lys Thr Ser Ala Ala Ala
 20

<210> 674

<211> 26

<212> PRT

<213> Homo sapiens

<400> 674

Asp Ser Met Leu Gly Gly Leu Glu Gln Glu Leu Gln Asp Leu Gly Ile
 1 5 10 15

Ala Thr Val Pro Lys Gly His Cys Ala Ser
 20 25

<210> 675

<211> 26

<212> PRT

<213> Homo sapiens

<400> 675

Tyr Leu Ser Ala Met Asp Thr Val Trp His Pro Glu Cys Phe Val Cys
 1 5 10 15

<400> 678

Pro Val Arg Gln Glu His Leu Gly Cys Arg Thr Met Glu Glu Leu Asp
 1 5 10 15

Ala Leu Leu Glu Glu Leu Glu Arg Ser Thr Leu Gln
 20 25

<210> 679

<211> 21

<212> PRT

<213> Homo sapiens

<400> 679

Ser Cys Ile Leu Pro Ile Ser Arg Ser Ser Met Ser Thr Val Lys Pro
 1 5 10 15

Lys Ser Gln Arg Asn
 20

<210> 680

<211> 11

<212> PRT

<213> Homo sapiens

<400> 680

Trp His Pro Glu His Phe Val Cys Thr His Cys
 1 5 10

<210> 681

<211> 6

<212> PRT

<213> Homo sapiens

<400> 681

Leu Phe Ser Pro Arg Cys
 1 5

<210> 682

<211> 6

<212> PRT

<213> Homo sapiens

<400> 682

Pro Ile Leu Asp Lys Val
 1 5

<210> 683

<211> 8

<212> PRT

<213> Homo sapiens

<400> 683

10004350-12474

Thr Trp His Pro Glu His Phe Phe
1 5

<210> 684
<211> 7
<212> PRT
<213> Homo sapiens

<400> 684
Glu Gly Phe His Glu Lys Asp
1 5

<210> 685
<211> 13
<212> PRT
<213> Homo sapiens

<400> 685
Lys Phe His Pro Glu His Phe Val Cys Ala Phe Cys Leu
1 5 10

<210> 686
<211> 7
<212> PRT
<213> Homo sapiens

<400> 686
Pro Ile Thr Gly Arg Cys Ile
1 5

<210> 687
<211> 7
<212> PRT
<213> Homo sapiens

<400> 687
His Pro Glu His Phe Val Cys
1 5

<210> 688
<211> 31
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (12)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 688
Arg Ile Tyr Cys Ser Glu Asp Thr Phe Ser Pro Xaa Ala Glu Ser Gly
1 5 10 15

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Val Ser Trp Gln Ser Ser Val Ser Gln Leu Tyr Gln Asp Tyr Glu
 20 25 30

<210> 689

<211> 452

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (61)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 689

Met Gly Ser Ser Gln Ser Val Glu Ile Pro Gly Gly Gly Thr Glu Gly
 1 5 10 15

Tyr His Val Leu Arg Val Gln Glu Asn Ser Pro Gly His Arg Ala Gly
 20 25 30

Leu Glu Pro Phe Phe Asp Phe Ile Val Ser Ile Asn Gly Ser Arg Leu
 35 40 45

Asn Lys Asp Asn Asp Thr Leu Lys Asp Leu Leu Lys Xaa Asn Val Glu
 50 55 60

Lys Pro Val Lys Met Leu Ile Tyr Ser Ser Lys Thr Leu Glu Leu Arg
 65 70 75 80

Glu Thr Ser Val Thr Pro Ser Asn Leu Trp Gly Gly Gln Gly Leu Leu
 85 90 95

Gly Val Ser Ile Arg Phe Cys Ser Phe Asp Gly Ala Asn Glu Asn Val
 100 105 110

Trp His Val Leu Glu Val Glu Ser Asn Ser Pro Ala Ala Leu Ala Gly
 115 120 125

Leu Arg Pro His Ser Asp Tyr Ile Ile Gly Ala Asp Thr Val Met Asn
 130 135 140

Glu Ser Glu Asp Leu Phe Ser Leu Ile Glu Thr His Glu Ala Lys Pro
 145 150 155 160

Leu Lys Leu Tyr Val Tyr Asn Thr Asp Thr Asp Asn Cys Arg Glu Val
 165 170 175

Ile Ile Thr Pro Asn Ser Ala Trp Gly Gly Glu Gly Ser Leu Gly Cys
 180 185 190

Gly Ile Gly Tyr Gly Tyr Leu His Arg Ile Pro Thr Arg Pro Phe Glu
 195 200 205

Glu Gly Lys Lys Ile Ser Leu Pro Gly Gln Met Ala Gly Thr Pro Ile
 210 215 220

Thr Pro Leu Lys Asp Gly Phe Thr Glu Val Gln Leu Ser Ser Val Asn

10004560-120703

225 230 235 240

Pro Pro Ser Leu Ser Pro Pro Gly Thr Thr Gly Ile Glu Gln Ser Leu
 245 250 255

Thr Gly Leu Ser Ile Ser Ser Thr Pro Pro Ala Val Ser Ser Val Leu
 260 265 270

Ser Thr Gly Val Pro Thr Val Pro Leu Leu Pro Pro Gln Val Asn Gln
 275 280 285

Ser Leu Thr Ser Val Pro Pro Met Asn Pro Ala Thr Thr Leu Pro Gly
 290 295 300

Leu Met Pro Leu Pro Ala Gly Leu Pro Asn Leu Pro Asn Leu Asn Leu
 305 310 315 320

Asn Leu Pro Ala Pro His Ile Met Pro Gly Val Gly Leu Pro Glu Leu
 325 330 335

Val Asn Pro Gly Leu Pro Pro Leu Pro Ser Met Pro Pro Arg Asn Leu
 340 345 350

Pro Gly Ile Ala Pro Leu Pro Leu Pro Ser Glu Phe Leu Pro Ser Phe
 355 360 365

Pro Leu Val Pro Glu Ser Ser Ser Ala Ala Ser Ser Gly Glu Leu Leu
 370 375 380

Ser Ser Leu Pro Pro Thr Ser Asn Ala Pro Ser Asp Pro Ala Thr Thr
 385 390 395 400

Thr Ala Lys Ala Asp Ala Ala Ser Ser Leu Thr Val Asp Val Thr Pro
 405 410 415

Pro Thr Ala Lys Ala Pro Thr Thr Val Glu Asp Arg Val Gly Asp Ser
 420 425 430

Thr Pro Val Ser Glu Lys Pro Val Ser Ala Ala Val Asp Ala Asn Ala
 435 440 445

Ser Glu Ser Pro
 450

<210> 690

<211> 109

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (56)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 690

Ser Val Glu Ile Pro Gly Gly Gly Thr Glu Gly Tyr His Val Leu Arg
 1 5 10 15

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Val Gln Glu Asn Ser Pro Gly His Arg Ala Gly Leu Glu Pro Phe Phe
20 25 30

Asp Phe Ile Val Ser Ile Asn Gly Ser Arg Leu Asn Lys Asp Asn Asp
35 40 45

Thr Leu Lys Asp Leu Leu Lys Xaa Asn Val Glu Lys Pro Val Lys Met
50 55 60

Leu Ile Tyr Ser Ser Lys Thr Leu Glu Leu Arg Glu Thr Ser Val Thr
65 70 75 80

Pro Ser Asn Leu Trp Gly Gly Gln Gly Leu Leu Gly Val Ser Ile Arg
85 90 95

Phe Cys Ser Phe Asp Gly Ala Asn Glu Asn Val Trp His
100 105

<210> 691

<211> 145

<212> PRT

<213> Homo sapiens

<400> 691

Glu Ser Asn Ser Pro Ala Ala Leu Ala Gly Leu Arg Pro His Ser Asp
1 5 10 15

Tyr Ile Ile Gly Ala Asp Thr Val Met Asn Glu Ser Glu Asp Leu Phe
20 25 30

Ser Leu Ile Glu Thr His Glu Ala Lys Pro Leu Lys Leu Tyr Val Tyr
35 40 45

Asn Thr Asp Thr Asp Asn Cys Arg Glu Val Ile Ile Thr Pro Asn Ser
50 55 60

Ala Trp Gly Gly Glu Gly Ser Leu Gly Cys Gly Ile Gly Tyr Gly Tyr
65 70 75 80

Leu His Arg Ile Pro Thr Arg Pro Phe Glu Glu Gly Lys Lys Ile Ser
85 90 95

Leu Pro Gly Gln Met Ala Gly Thr Pro Ile Thr Pro Leu Lys Asp Gly
100 105 110

Phe Thr Glu Val Gln Leu Ser Ser Val Asn Pro Pro Ser Leu Ser Pro
115 120 125

Pro Gly Thr Thr Gly Ile Glu Gln Ser Leu Thr Gly Leu Ser Ile Ser
130 135 140

Ser
145

<210> 692

10004960-120701

<211> 145
 <212> PRT
 <213> Homo sapiens

<400> 692

Glu	Ser	Asn	Ser	Pro	Ala	Ala	Leu	Ala	Gly	Leu	Arg	Pro	His	Ser	Asp
1				5					10					15	
Tyr	Ile	Ile	Gly	Ala	Asp	Thr	Val	Met	Asn	Glu	Ser	Glu	Asp	Leu	Phe
			20					25					30		
Ser	Leu	Ile	Glu	Thr	His	Glu	Ala	Lys	Pro	Leu	Lys	Leu	Tyr	Val	Tyr
		35					40					45			
Asn	Thr	Asp	Thr	Asp	Asn	Cys	Arg	Glu	Val	Ile	Ile	Thr	Pro	Asn	Ser
		50				55					60				
Ala	Trp	Gly	Gly	Glu	Gly	Ser	Leu	Gly	Cys	Gly	Ile	Gly	Tyr	Gly	Tyr
	65				70				75						80
Leu	His	Arg	Ile	Pro	Thr	Arg	Pro	Phe	Glu	Glu	Gly	Lys	Lys	Ile	Ser
			85					90						95	
Leu	Pro	Gly	Gln	Met	Ala	Gly	Thr	Pro	Ile	Thr	Pro	Leu	Lys	Asp	Gly
			100					105						110	
Phe	Thr	Glu	Val	Gln	Leu	Ser	Ser	Val	Asn	Pro	Pro	Ser	Leu	Ser	Pro
		115						120				125			
Pro	Gly	Thr	Thr	Gly	Ile	Glu	Gln	Ser	Leu	Thr	Gly	Leu	Ser	Ile	Ser
	130					135					140				
Ser															
145															

<210> 693
 <211> 151
 <212> PRT
 <213> Homo sapiens

<400> 693

Arg	Ile	Pro	Thr	Arg	Pro	Phe	Glu	Glu	Gly	Lys	Lys	Ile	Ser	Leu	Pro
1				5					10					15	
Gly	Gln	Met	Ala	Gly	Thr	Pro	Ile	Thr	Pro	Leu	Lys	Asp	Gly	Phe	Thr
			20					25					30		
Glu	Val	Gln	Leu	Ser	Ser	Val	Asn	Pro	Pro	Ser	Leu	Ser	Pro	Pro	Gly
			35				40					45			
Thr	Thr	Gly	Ile	Glu	Gln	Ser	Leu	Thr	Gly	Leu	Ser	Ile	Ser	Ser	Thr
		50				55					60				
Pro	Pro	Ala	Val	Ser	Ser	Val	Leu	Ser	Thr	Gly	Val	Pro	Thr	Val	Pro
	65					70				75					80
Leu	Leu	Pro	Pro	Gln	Val	Asn	Gln	Ser	Leu	Thr	Ser	Val	Pro	Pro	Met

85

90

95

Asn Pro Ala Thr Thr Leu Pro Gly Leu Met Pro Leu Pro Ala Gly Leu
100 105 110

Pro Asn Leu Pro Asn Leu Asn Leu Asn Leu Pro Ala Pro His Ile Met
115 120 125

Pro Gly Val Gly Leu Pro Glu Leu Val Asn Pro Gly Leu Pro Pro Leu
130 135 140

Pro Ser Met Pro Pro Arg Asn
145 150

<210> 694

<211> 109

<212> PRT

<213> Homo sapiens

<400> 694

Pro Gly Leu Pro Pro Leu Pro Ser Met Pro Pro Arg Asn Leu Pro Gly
1 5 10 15

Ile Ala Pro Leu Pro Leu Pro Ser Glu Phe Leu Pro Ser Phe Pro Leu
20 25 30

Val Pro Glu Ser Ser Ser Ala Ala Ser Ser Gly Glu Leu Leu Ser Ser
35 40 45

Leu Pro Pro Thr Ser Asn Ala Pro Ser Asp Pro Ala Thr Thr Thr Ala
50 55 60

Lys Ala Asp Ala Ala Ser Ser Leu Thr Val Asp Val Thr Pro Pro Thr
65 70 75 80

Ala Lys Ala Pro Thr Thr Val Glu Asp Arg Val Gly Asp Ser Thr Pro
85 90 95

Val Ser Glu Lys Pro Val Ser Ala Ala Val Asp Ala Asn
100 105

<210> 695

<211> 22

<212> PRT

<213> Homo sapiens

<400> 695

Ala Trp Gly Gly Glu Gly Ser Leu Gly Cys Gly Ile Gly Tyr Gly Tyr
1 5 10 15

Leu His Arg Ile Pro Thr
20

<210> 696

<211> 10

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<212> PRT

<213> Homo sapiens

<400> 696

Ser Pro Ala Ala Leu Ala Gly Leu Arg Pro
1 5 10

<210> 697

<211> 8

<212> PRT

<213> Homo sapiens

<400> 697

Trp Gly Gly Gln Gly Leu Leu Gly
1 5

<210> 698

<211> 27

<212> PRT

<213> Homo sapiens

<400> 698

Arg Asn Gly Ala Leu Leu Asp Lys Asn Phe Phe Asn Ala Asn Ser His
1 5 10 15

Phe Pro Val Lys Gly Glu Arg Ile Arg Arg Arg
20 25

<210> 699

<211> 97

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (83)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 699

Arg Gly Ser Gly Phe Gly Trp Thr Ser Phe Pro Arg Pro Leu Pro Thr
1 5 10 15

Glu Leu Thr Cys Pro Gly Phe His Arg Glu Arg Ala Phe Pro Pro Asp
20 25 30

Gly Arg Val Arg Gly Val Arg Gly Trp Gly Ile Arg Arg Gly Cys Arg
35 40 45

Ala Val Trp Gly Val Gly Ala Cys Gly Cys Ser Pro Gly Ser Ser Trp
50 55 60

Arg Gly Ser Ala His Arg Ala Ser Gly Pro Ala Asp Leu Pro Val Ala
65 70 75 80

Cys Arg Xaa Glu Gly Gly Ala Asp Ser Pro Ser Leu Leu Pro Ser Pro

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85

90

95

Pro

<210> 700
 <211> 23
 <212> PRT
 <213> Homo sapiens

<400> 700
 Ala Val Trp Gly Val Gly Ala Cys Gly Cys Ser Pro Gly Ser Ser Trp
 1 5 10 15

Arg Gly Ser Ala His Arg Ala
 20

<210> 701
 <211> 77
 <212> PRT
 <213> Homo sapiens

<400> 701
 Tyr Arg Pro Thr Met Glu Lys Met Lys Gln Val Val Thr Gln Thr Arg
 1 5 10 15

Trp Met Arg Pro Asp Ala Lys Arg Ala Asn Arg Arg His Arg Arg Ile
 20 25 30

Ser Gly Lys Ile Phe Ala Trp Asn Pro Leu Pro Lys Thr Arg Phe Ser
 35 40 45

Arg Leu Leu Lys Ala Val Ser Glu Asn Thr Lys Arg Pro Glu Pro Ser
 50 55 60

Arg Pro Pro Trp Met Val Ser His Ser Val Glu Ala Ser
 65 70 75

<210> 702
 <211> 27
 <212> PRT
 <213> Homo sapiens

<400> 702
 Phe Ala Trp Asn Pro Leu Pro Lys Thr Arg Phe Ser Arg Leu Leu Lys
 1 5 10 15

Ala Val Ser Glu Asn Thr Lys Arg Pro Glu Pro
 20 25

<210> 703
 <211> 93
 <212> PRT
 <213> Homo sapiens

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<220>
<221> SITE
<222> (27)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (28)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (29)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (30)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (31)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (32)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (33)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (34)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (35)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (36)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (37)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE

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<222> (38)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 703

Ile Tyr Lys Val Phe Arg His Thr Ala Gly Leu Lys Pro Glu Val Ser
 1 5 10 15

Cys Phe Glu Asn Ile Arg Ser Cys Ala Arg Xaa Xaa Xaa Xaa Xaa Xaa
 20 25 30

Xaa Xaa Xaa Xaa Xaa Xaa Trp Ile Phe Gly Val Leu His Val Val His
 35 40 45

Ala Ser Val Val Thr Ala Tyr Leu Phe Thr Val Ser Asn Ala Phe Gln
 50 55 60

Gly Met Phe Ile Phe Leu Phe Leu Cys Val Leu Ser Arg Lys Ile Gln
 65 70 75 80

Glu Glu Tyr Tyr Arg Leu Phe Lys Asn Val Pro Cys Cys
 85 90

<210> 704

<211> 55

<212> PRT

<213> Homo sapiens

<400> 704

Trp Ile Phe Gly Val Leu His Val Val His Ala Ser Val Val Thr Ala
 1 5 10 15

Tyr Leu Phe Thr Val Ser Asn Ala Phe Gln Gly Met Phe Ile Phe Leu
 20 25 30

Phe Leu Cys Val Leu Ser Arg Lys Ile Gln Glu Glu Tyr Tyr Arg Leu
 35 40 45

Phe Lys Asn Val Pro Cys Cys
 50 55

<210> 705

<211> 26

<212> PRT

<213> Homo sapiens

<400> 705

Ile Tyr Lys Val Phe Arg His Thr Ala Gly Leu Lys Pro Glu Val Ser
 1 5 10 15

Cys Phe Glu Asn Ile Arg Ser Cys Ala Arg
 20 25

<210> 706

<211> 66

<212> PRT

10004650-120701

<213> Homo sapiens

<400> 706

Ile Ile Tyr Lys Val Phe Arg His Thr Ala Gly Leu Lys Pro Glu Val
1 5 10 15

Ser Cys Phe Glu Asn Ile Arg Ser Cys Ala Arg Gly Ala Leu Ala Leu
20 25 30

Leu Phe Leu Leu Gly Thr Thr Trp Ile Phe Gly Val Leu His Val Val
35 40 45

His Ala Ser Val Val Thr Ala Tyr Leu Phe Thr Val Ser Asn Ala Phe
50 55 60

Gln Gly
65

<210> 707

<211> 32

<212> PRT

<213> Homo sapiens

<400> 707

Glu Val Ser Cys Phe Glu Asn Ile Arg Ser Cys Ala Arg Gly Ala Leu
1 5 10 15

Ala Leu Leu Phe Leu Leu Gly Thr Thr Trp Ile Phe Gly Val Leu His
20 25 30

<210> 708

<211> 86

<212> PRT

<213> Homo sapiens

<400> 708

Thr Thr Ile Leu Arg Thr Cys Thr Ile Val Cys Phe Tyr Tyr Trp Phe
1 5 10 15

Asn Gly Val Met Val Leu Leu Phe Phe Leu Asp Arg Asn Leu Leu Thr
20 25 30

Phe Asn Gln Ala Ser Ile Met Pro Phe Ser Asn Thr Asp Phe Leu His
35 40 45

Cys Leu Ser Phe Lys Lys Lys Leu Met Leu Leu Arg Tyr Ile Phe Tyr
50 55 60

Val Val Leu Thr Gly Pro Thr Leu Ser Leu Lys Gly Asp Glu Asn Gln
65 70 75 80

Ile Lys Asn Leu Phe Thr
85

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<210> 709
 <211> 23
 <212> PRT
 <213> Homo sapiens

<400> 709
 Ile Val Cys Phe Tyr Tyr Trp Phe Asn Gly Val Met Val Leu Leu Phe
 1 5 10 15

Phe Leu Asp Arg Asn Leu Leu
 20

<210> 710
 <211> 24
 <212> PRT
 <213> Homo sapiens

<400> 710
 Leu Leu Arg Tyr Ile Phe Tyr Val Val Leu Thr Gly Pro Thr Leu Ser
 1 5 10 15

Leu Lys Gly Asp Glu Asn Gln Ile
 20

<210> 711
 <211> 50
 <212> PRT
 <213> Homo sapiens

<400> 711
 Ala Leu Thr Arg Ile Pro Pro Gly Asp Trp Val Ile Asn Val Thr Ala
 1 5 10 15

Val Ser Phe Ala Gly Lys Thr Thr Ala Arg Phe Phe Xaa His Ser Ser
 20 25 30

Pro Pro Ser Leu Gly Asp Gln Ala Arg Thr Asp Pro Gly His Gln Arg
 35 40 45

Arg Asp
 50

<210> 712
 <211> 38
 <212> PRT
 <213> Homo sapiens

<400> 712
 Ser Met Leu Leu Leu Phe Pro Leu Gln Glu Arg Pro Gln Gln Asp Ser
 1 5 10 15

Phe Ile Arg Leu Leu Leu Ala Trp Gly Thr Arg Leu Glu Leu Thr Leu
 20 25 30

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Asp Ile Lys Gly Gly Ile
35

<210> 713
<211> 130
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (76)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (80)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (90)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (98)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (113)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 713
Thr Gly Leu Trp Ala Asp Gly Phe Ser Ser His Ile Ile Pro Pro Leu
1 5 10 15

Met Ser Arg Val Ser Ser Ser Leu Val Pro Gln Ala Arg Arg Arg Arg
20 25 30

Met Lys Glu Ser Cys Cys Gly Leu Ser Cys Lys Gly Asn Ser Ser Asn
35 40 45

Ile Asp Tyr Pro Val Thr Gly Arg Asn Ser Cys Glu Arg Ala Pro Leu
50 55 60

Cys Ala Phe Ala Leu His Phe Gln Glu Arg Thr Xaa Ile Thr Gly Xaa
65 70 75 80

Gly Glu Asp Pro Gly Pro Phe Gln Ser Xaa Gly Arg Val Thr Ala Ser
85 90 95

Arg Xaa Thr Leu Ala Cys Ser His Val Ala Met Thr Pro Ala Gly Cys
100 105 110

Xaa Gln Ala Leu Gly Thr Pro Ser Ser Tyr Cys Val Arg Lys Ala Pro

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115 120 125

Arg Ala
130

<210> 714
<211> 28
<212> PRT
<213> Homo sapiens

<400> 714
Gln Ala Arg Arg Arg Arg Met Lys Glu Ser Cys Cys Gly Leu Ser Cys
1 5 10 15

Lys Gly Asn Ser Ser Asn Ile Asp Tyr Pro Val Thr
20 25

<210> 715
<211> 9
<212> PRT
<213> Homo sapiens

<400> 715
Leu Trp Arg Ser Ser Gly Val Glu Arg
1 5

<210> 716
<211> 27
<212> PRT
<213> Homo sapiens

<400> 716
Leu Gln Glu Val Asn Ile Thr Leu Pro Glu Asn Ser Val Trp Tyr Glu
1 5 10 15

Arg Tyr Lys Phe Asp Ile Pro Val Phe His Leu
20 25

<210> 717
<211> 110
<212> PRT
<213> Homo sapiens

<400> 717
Met Gln Gly Ser Gly Ser Gln Phe Arg Ala Cys Leu Leu Cys Leu Cys
1 5 10 15

Phe Ser Cys Pro Cys Ser Pro Gly Gly Pro Arg Trp Asn Ser Arg Gln
20 25 30

Gly Gly Arg Arg Phe Pro Lys Thr Cys Arg Ala Ile Ser Gln Asn Leu
35 40 45

Val Phe Lys Tyr Lys Thr Phe Cys Pro Val Arg Tyr Met Gln Pro His

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50 55 60

Arg Ser Ser Leu Cys Leu His Phe Thr Ser Tyr Val Phe Ile Leu Ser
65 70 75 80

Thr Trp Gly Ser Leu Arg Thr Tyr Ser Thr Asp Leu Lys Lys Lys Lys
85 90 95

Lys Asn Ser Arg Gly Gly Pro Val Pro Ile Arg Pro Lys Ser
100 105 110

<210> 718
<211> 99
<212> DNA
<213> Homo sapiens

<220>
<221> SITE
<222> (24)
<223> n equals a,t,g, or c

<400> 718
TAGCATGTAG CCAGTCGAAT AACNTATAAG GACAAAGTGG AGTCCACGCG TGCGGCCGTC 60
TAGACTAGTG GATCCCCCGG CTGCAGGATT CGGCACGAG 99

<210> 719
<211> 51
<212> PRT
<213> Homo sapiens

<400> 719
Met Gln Gly Ser Gly Ser Gln Phe Arg Ala Cys Leu Leu Cys Leu Cys
1 5 10 15
Phe Ser Cys Pro Cys Ser Pro Gly Gly Pro Arg Trp Asn Ser Arg Gln
20 25 30
Gly Gly Arg Arg Phe Pro Lys Thr Cys Arg Ala Ile Ser Gln Asn Leu
35 40 45
Val Phe Lys
50

<210> 720
<211> 54
<212> PRT
<213> Homo sapiens

<400> 720
Pro Val Arg Tyr Met Gln Pro His Arg Ser Ser Leu Cys Leu His Phe
1 5 10 15
Thr Ser Tyr Val Phe Ile Leu Ser Thr Trp Gly Ser Leu Arg Thr Tyr

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20

25

30

Ser Thr Asp Leu Lys Lys Lys Lys Lys Asn Ser Arg Gly Gly Pro Val
 35 40 45

Pro Ile Arg Pro Lys Ser
 50

<210> 721
 <211> 38
 <212> PRT
 <213> Homo sapiens

<400> 721
 Gly Glu Glu Gln Arg Asp Cys Ser Leu Gly Trp Arg Gly Val Gly Met
 1 5 10 15

Arg Ala Thr His Cys Gln Ala Ala Arg.Met Phe Val Leu Phe Ser Leu
 20 25 30

Pro Lys Tyr Ala Gly Leu
 35

<210> 722
 <211> 39
 <212> PRT
 <213> Homo sapiens

<400> 722
 Thr Ser Gly Ser Pro Gly Cys Arg Ile Arg His Glu Leu Pro Gly Glu
 1 5 10 15

Glu Gln Arg Asp Cys Ser Leu Gly Trp Arg Gly Val Gly Met Arg Ala
 20 25 30

Thr His Cys Gln Ala Ala Arg
 35

<210> 723
 <211> 128
 <212> PRT
 <213> Homo sapiens

<400> 723
 Glu Pro Pro Ile Ala Lys Gln Gln Glu Cys Ser Cys Phe Phe Pro Phe
 1 5 10 15

Gln Asn Met Gln Gly Ser Gly Ser Gln Phe Arg Ala Cys Leu Leu Cys
 20 25 30

Leu Cys Phe Ser Cys Pro Cys Ser Pro Gly Gly Pro Arg Trp Asn Ser
 35 40 45

Arg Gln Gly Gly Arg Arg Phe Pro Lys Thr Cys Arg Ala Ile Ser Gln
 50 55 60

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Asn Leu Val Phe Lys Tyr Lys Thr Phe Cys Pro Val Arg Tyr Met Gln
 65 70 75 80

Pro His Arg Ser Ser Leu Cys Leu His Phe Thr Ser Tyr Val Phe Ile
 85 90 95

Leu Ser Thr Trp Gly Ser Leu Arg Thr Tyr Ser Thr Asp Leu Lys Lys
 100 105 110

Lys Lys Lys Asn Ser Arg Gly Gly Pro Val Pro Ile Arg Pro Lys Ser
 115 120 125

<210> 724
 <211> 31
 <212> PRT
 <213> Homo sapiens

<400> 724
 Gln Phe Arg Ala Cys Leu Leu Cys Leu Cys Phe Ser Cys Pro Cys Ser
 1 5 10 15

Pro Gly Gly Pro Arg Trp Asn Ser Arg Gln Gly Gly Arg Arg Phe
 20 25 30

<210> 725
 <211> 23
 <212> PRT
 <213> Homo sapiens

<400> 725
 Asn Gln Phe Thr Ser Cys Ile Leu Phe Cys Asp Gly Gly His Trp Arg
 1 5 10 15

Glu Leu Leu Phe Gln Ser Ile
 20

<210> 726
 <211> 101
 <212> PRT
 <213> Homo sapiens

<400> 726
 Ala Met Ser Ser Lys Leu Leu Asn Leu Leu Ala Leu Leu Gln Tyr Ser
 1 5 10 15

Val His Asp His Cys His Pro Arg Arg Leu Leu Lys Arg Gly Ala Arg
 20 25 30

Ala Thr Leu Arg His Lys Gly Trp Gly Pro Ser Ser Leu Arg Gly Cys
 35 40 45

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Glu Ser Phe Gln Ile Val Leu Ile Gly Trp Gly Pro Asp Leu Ala Val
 50 55 60

Gly Phe Gly Arg Gly Lys Leu Leu Ser Arg Ser Leu Pro Val Arg His
 65 70 75 80

Gly Gly Val Ser Glu Phe Cys Leu Pro His Arg Asp Val Val Arg Leu
 85 90 95

Glu Lys Val Lys Lys
 100

<210> 727

<211> 33

<212> PRT

<213> Homo sapiens

<400> 727

Gly Pro Ser Ser Leu Arg Gly Cys Glu Ser Phe Gln Ile Val Leu Ile
 1 5 10 15

Gly Trp Gly Pro Asp Leu Ala Val Gly Phe Gly Arg Gly Lys Leu Leu
 20 25 30

Ser

<210> 728

<211> 32

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (8)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 728

Thr Arg Lys Asn Ile Asp Phe Xaa Glu Thr Glu Lys Tyr Tyr Leu Phe
 1 5 10 15

Ser Phe Ser Asn Asn Val Ser Phe Lys Asn Phe Trp Leu Lys Tyr Asn
 20 25 30

<210> 729

<211> 161

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (46)

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<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (50)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 729

Met	Pro	Arg	Lys	Thr	Ser	Lys	Cys	Arg	Gln	Leu	Leu	Cys	Ser	Gly	Ala
1				5					10					15	

Ser	Arg	Asn	Ala	Asp	Thr	Ala	Ala	Arg	Gln	Ser	Thr	Cys	Ser	Ser	His
		20						25					30		

Arg	Pro	Pro	Gly	Lys	Ile	Pro	Ser	Leu	Gly	Pro	Arg	Arg	Xaa	Pro	Gly
		35					40						45		

Cys	Xaa	Ser	Val	Pro	Ser	Ser	Arg	Gly	Glu	Gln	Ser	Thr	Gly	Ser	Pro
	50					55					60				

Ala	Ala	Pro	Arg	Cys	Gly	Arg	Arg	Asp	Ala	His	Arg	Gly	Leu	Pro	Gly
65					70					75				80	

Gly	Ala	Ala	Met	Thr	Pro	Gly	Asp	Thr	Trp	Ala	Ser	Phe	Asn	Pro	Arg
			85						90					95	

Ala	Gly	His	Ser	Lys	Ser	Gln	Gly	Glu	Gly	Gln	Glu	Ser	Ser	Gly	Ala
		100					105						110		

Ser	Arg	Gln	Asp	Arg	His	Pro	Val	Ser	His	Trp	Val	Glu	Arg	Gln	Arg
		115					120						125		

Glu	Ala	Trp	Gly	Ala	Pro	Arg	Ser	Ser	Ser	Ala	Gly	Gly	Val	Lys	Val
	130					135					140				

Ala	Ala	Thr	Thr	Glu	Arg	Glu	Pro	Glu	Phe	Lys	Ile	Lys	Thr	Gly	Lys
145					150					155					160

Ala

<210> 730

<211> 88

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (34)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (38)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 730

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Cys Ser Gly Ala Ser Arg Asn Ala Asp Thr Ala Ala Arg Gln Ser Thr
1 5 10 15

Cys Ser Ser His Arg Pro Pro Gly Lys Ile Pro Ser Leu Gly Pro Arg
20 25 30

Arg Xaa Pro Gly Cys Xaa Ser Val Pro Ser Ser Arg Gly Glu Gln Ser
35 40 45

Thr Gly Ser Pro Ala Ala Pro Arg Cys Gly Arg Arg Asp Ala His Arg
50 55 60

Gly Leu Pro Gly Gly Ala Ala Met Thr Pro Gly Asp Thr Trp Ala Ser
65 70 75 80

Phe Asn Pro Arg Ala Gly His Ser
85

<210> 731

<211> 59

<212> PRT

<213> Homo sapiens

<400> 731

Gln Gly Glu Gly Gln Glu Ser Ser Gly Ala Ser Arg Gln Asp Arg His
1 5 10 15

Pro Val Ser His Trp Val Glu Arg Gln Arg Glu Ala Trp Gly Ala Pro
20 25 30

Arg Ser Ser Ser Ala Gly Gly Val Lys Val Ala Ala Thr Thr Glu Arg
35 40 45

Glu Pro Glu Phe Lys Ile Lys Thr Gly Lys Ala
50 55

<210> 732

<211> 63

<212> PRT

<213> Homo sapiens

<400> 732

Ile Arg His Glu Gly Lys Arg Met Leu Asn Glu Ser Arg Lys Pro Leu
1 5 10 15

Ser Phe Ala Ser Arg Leu Ser Ser Leu Tyr Phe Lys Leu Gly Phe Pro
20 25 30

Phe Cys Gly Arg Ser Asn Leu Tyr Ser Thr Cys Thr Ala Ala Pro Gly
35 40 45

Gly Ser Pro Gly Leu Pro Leu Pro Phe Tyr Pro Val Ala Asp Gly
50 55 60

<210> 733

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<211> 176
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (127)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 733

Thr	Arg	Ala	Glu	Ser	Leu	Phe	Pro	Leu	Leu	His	Ala	Phe	Pro	Val	Phe
1				5				10						15	
Ile	Leu	Asn	Ser	Gly	Ser	Leu	Ser	Val	Val	Ala	Ala	Thr	Phe	Thr	Pro
		20						25					30		
Pro	Ala	Leu	Leu	Leu	Leu	Gly	Ala	Pro	Gln	Ala	Ser	Leu	Cys	Leu	Ser
		35					40					45			
Thr	Gln	Trp	Leu	Thr	Gly	Cys	Leu	Ser	Cys	Leu	Asp	Ala	Pro	Leu	Leu
	50					55					60				
Ser	Cys	Pro	Ser	Pro	Trp	Leu	Leu	Leu	Cys	Pro	Ala	Leu	Gly	Leu	Lys
	65				70					75					80
Leu	Ala	His	Val	Ser	Pro	Gly	Val	Met	Ala	Ala	Pro	Pro	Gly	Arg	Pro
				85					90					95	
Leu	Cys	Ala	Ser	Arg	Leu	Pro	His	Leu	Gly	Ala	Ala	Gly	Glu	Pro	Val
			100					105					110		
Leu	Cys	Ser	Pro	Arg	Leu	Leu	Gly	Thr	Glu	Leu	Gln	Pro	Gly	Xaa	Leu
		115					120					125			
Arg	Gly	Pro	Arg	Leu	Gly	Ile	Leu	Pro	Gly	Gly	Arg	Trp	Glu	Glu	Gln
	130					135						140			
Val	Leu	Cys	Leu	Ala	Ala	Val	Ser	Ala	Phe	Leu	Asp	Ala	Pro	Glu	His
	145				150					155					160
Arg	Ser	Cys	Arg	His	Phe	Glu	Val	Phe	Leu	Gly	Met	Cys	Gln	Ile	Thr
			165						170					175	

<210> 734
 <211> 29
 <212> PRT
 <213> Homo sapiens

<400> 734

Pro	Ala	Leu	Gly	Leu	Lys	Leu	Ala	His	Val	Ser	Pro	Gly	Val	Met	Ala
1				5					10					15	
Ala	Pro	Pro	Gly	Arg	Pro	Leu	Cys	Ala	Ser	Arg	Leu	Pro			
			20					25							

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<210> 735
 <211> 24
 <212> PRT
 <213> Homo sapiens

<400> 735
 Gly Gly Arg Trp Glu Glu Gln Val Leu Cys Leu Ala Ala Val Ser Ala
 1 5 10 15
 Phe Leu Asp Ala Pro Glu His Arg
 20

<210> 736
 <211> 98
 <212> PRT
 <213> Homo sapiens
 <220>
 <221> SITE
 <222> (48)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 736
 Ser Trp Pro Met Cys Pro Pro Glu Ser Trp Leu Leu Leu Leu Gly Gly
 1 5 10 15
 Leu Cys Val Arg His Val Phe His Thr Trp Gly Gln Leu Ala Ser Pro
 20 25 30
 Cys Ser Val Pro Leu Gly Cys Leu Ala Gln Ser Cys Ser Leu Gly Xaa
 35 40 45
 Ser Val Asp Pro Asp Trp Gly Phe Cys Gln Gly Gly Asp Gly Arg Ser
 50 55 60
 Arg Cys Phe Ala Trp Arg Leu Cys Leu His Phe Trp Thr Pro Gln Ser
 65 70 75 80
 Thr Glu Val Ala Gly Thr Leu Arg Ser Ser Ser Ala Cys Ala Arg Leu
 85 90 95
 His Glu

<210> 737
 <211> 29
 <212> PRT
 <213> Homo sapiens

<400> 737
 Gly Asp Gly Arg Ser Arg Cys Phe Ala Trp Arg Leu Cys Leu His Phe
 1 5 10 15
 Trp Thr Pro Gln Ser Thr Glu Val Ala Gly Thr Leu Arg

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20

25

<210> 738
 <211> 235
 <212> PRT
 <213> Homo sapiens

<400> 738

Met Ser Pro Arg Tyr Pro Gly Gly Pro Arg Pro Pro Leu Arg Ile Pro
 1 5 10 15

Asn Gln Ala Leu Gly Gly Val Pro Gly Ser Gln Pro Leu Leu Pro Ser
 20 25 30

Gly Met Asp Pro Thr Arg Gln Gln Gly His Pro Asn Met Gly Gly Pro
 35 40 45

Met Gln Arg Met Thr Pro Pro Arg Gly Met Val Pro Leu Gly Pro Gln
 50 55 60

Asn Tyr Gly Gly Ala Met Arg Pro Pro Leu Asn Ala Leu Gly Gly Pro
 65 70 75 80

Gly Met Pro Gly Met Asn Met Gly Pro Gly Gly Gly Arg Pro Trp Pro
 85 90 95

Asn Pro Thr Asn Ala Asn Ser Ile Pro Tyr Ser Ser Ala Ser Pro Gly
 100 105 110

Asn Tyr Val Gly Pro Pro Gly Gly Gly Gly Pro Pro Gly Thr Pro Ile
 115 120 125

Met Pro Ser Pro Ala Asp Ser Thr Asn Ser Gly Asp Asn Met Tyr Thr
 130 135 140

Leu Met Asn Ala Val Pro Pro Gly Pro Asn Arg Pro Asn Phe Pro Met
 145 150 155 160

Gly Pro Gly Ser Asp Gly Pro Met Gly Gly Leu Gly Gly Met Glu Ser
 165 170 175

His His Met Asn Gly Ser Leu Gly Ser Gly Asp Met Asp Ser Ile Ser
 180 185 190

Lys Asn Ser Pro Asn Asn Met Ser Leu Ser Asn Gln Pro Gly Thr Pro
 195 200 205

Arg Asp Asp Gly Glu Met Gly Gly Asn Phe Leu Asn Pro Phe Gln Ser
 210 215 220

Glu Ser Tyr Ser Pro Ser Met Thr Met Ser Val
 225 230 235

<210> 739
 <211> 114
 <212> PRT

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<213> Homo sapiens

<400> 739

Met Ser Pro Arg Tyr Pro Gly Gly Pro Arg Pro Pro Leu Arg Ile Pro
1 5 10 15

Asn Gln Ala Leu Gly Gly Val Pro Gly Ser Gln Pro Leu Leu Pro Ser
20 25 30

Gly Met Asp Pro Thr Arg Gln Gln Gly His Pro Asn Met Gly Gly Pro
35 40 45

Met Gln Arg Met Thr Pro Pro Arg Gly Met Val Pro Leu Gly Pro Gln
50 55 60

Asn Tyr Gly Gly Ala Met Arg Pro Pro Leu Asn Ala Leu Gly Gly Pro
65 70 75 80

Gly Met Pro Gly Met Asn Met Gly Pro Gly Gly Gly Arg Pro Trp Pro
85 90 95

Asn Pro Thr Asn Ala Asn Ser Ile Pro Tyr Ser Ser Ala Ser Pro Gly
100 105 110

Asn Tyr

<210> 740

<211> 81

<212> PRT

<213> Homo sapiens

<400> 740

Leu Asn Ala Leu Gly Gly Pro Gly Met Pro Gly Met Asn Met Gly Pro
1 5 10 15

Gly Gly Gly Arg Pro Trp Pro Asn Pro Thr Asn Ala Asn Ser Ile Pro
20 25 30

Tyr Ser Ser Ala Ser Pro Gly Asn Tyr Val Gly Pro Pro Gly Gly Gly
35 40 45

Gly Pro Pro Gly Thr Pro Ile Met Pro Ser Pro Ala Asp Ser Thr Asn
50 55 60

Ser Gly Asp Asn Met Tyr Thr Leu Met Asn Ala Val Pro Pro Gly Pro
65 70 75 80

Asn

<210> 741

<211> 70

<212> PRT

<213> Homo sapiens

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<400> 741

Gly Pro Met Gly Gly Leu Gly Gly Met Glu Ser His His Met Asn Gly
 1 5 10 15

Ser Leu Gly Ser Gly Asp Met Asp Ser Ile Ser Lys Asn Ser Pro Asn
 20 25 30

Asn Met Ser Leu Ser Asn Gln Pro Gly Thr Pro Arg Asp Asp Gly Glu
 35 40 45

Met Gly Gly Asn Phe Leu Asn Pro Phe Gln Ser Glu Ser Tyr Ser Pro
 50 55 60

Ser Met Thr Met Ser Val
 65 70

<210> 742

<211> 14

<212> PRT

<213> Homo sapiens

<400> 742

Thr Cys Glu His Ser Ser Glu Ala Lys Ala Phe His Asp Tyr
 1 5 10

<210> 743

<211> 19

<212> PRT

<213> Homo sapiens

<400> 743

Arg Arg Glu Thr Cys Glu His Ser Ser Glu Ala Lys Ala Phe His Asp
 1 5 10 15

Tyr Pro Phe

<210> 744

<211> 20

<212> PRT

<213> Homo sapiens

<400> 744

Thr Ile Thr Leu Phe Gln Ser Ala Trp Cys Phe Phe Ser Lys Tyr Cys
 1 5 10 15

Thr Asp Phe Thr
 20

<210> 745

<211> 105

<212> PRT

<213> Homo sapiens

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<400> 745

Val Arg Gly Cys Glu Asp Gly Gly Gly Gly Gly Ile Trp Gly Gly Trp
 1 5 10 15

Trp Pro Gly Gln Gln Met Ala Pro Pro Trp Leu Ser Cys Pro His Arg
 20 25 30

Gln Phe Pro His Phe His Ser Gly Arg Gln Arg Arg Gln Ser Asp Leu
 35 40 45

Leu Lys Glu Glu Leu Pro Gln Pro Ser Gly Ala Ala Gly Arg Ala Ser
 50 55 60

Gly Asn Lys Pro Tyr Thr Pro Pro Pro Ala Ser Asn Ser Leu Thr Leu
 65 70 75 80

Arg Leu Leu Ser Phe Arg Phe Asn Ala Phe Asn Arg Ser His Pro Gln
 85 90 95

Pro Ser Leu Asn Tyr Lys Asp Arg Gln
 100 105

<210> 746

<211> 25

<212> PRT

<213> Homo sapiens

<400> 746

Pro Trp Leu Ser Cys Pro His Arg Gln Phe Pro His Phe His Ser Gly
 1 5 10 15

Arg Gln Arg Arg Gln Ser Asp Leu Leu
 20 25

<210> 747

<211> 20

<212> PRT

<213> Homo sapiens

<400> 747

Arg Leu Leu Ser Phe Arg Phe Asn Ala Phe Asn Arg Ser His Pro Gln
 1 5 10 15

Pro Ser Leu Asn
 20

<210> 748

<211> 56

<212> PRT

<213> Homo sapiens

<400> 748

Arg Asp Ser Ser Leu Trp Ala Ala Ala Leu Ser Phe Arg Gln Gln Cys
 1 5 10 15

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Ser Ser Leu Ala Ser Cys Leu Val Ser Met Tyr Ser Arg Pro Gly Arg
20 25 30

Gln His Arg Ala Lys Ala Gly Ala Gly Ser Gln Thr Glu Gln Cys Trp
35 40 45

Gly Arg Lys Val Asp Ala Val Val
50 55

<210> 749
<211> 27
<212> PRT
<213> Homo sapiens

<400> 749
Cys Leu Val Ser Met Tyr Ser Arg Pro Gly Arg Gln His Arg Ala Lys
1 5 10 15

Ala Gly Ala Gly Ser Gln Thr Glu Gln Cys Trp
20 25

<210> 750
<211> 86
<212> PRT
<213> Homo sapiens

<400> 750
Pro Glu His Gly Phe Ser Ser Cys Asp Phe Trp Glu Gly Ala Pro Ser
1 5 10 15

Ser Gly Pro Lys Glu Gly Gly Arg Ser Pro Pro Gln Leu Ala Cys Val
20 25 30

Trp Gly Met Asn Leu Ser Ser Pro Pro Cys Leu Ala Leu Leu Thr Asn
35 40 45

Arg Ala Cys Leu Ala Val Asn Trp His Arg Val Thr Leu Phe Pro Gly
50 55 60

Ile Gln Val Cys Asn Gln Asn Thr Gly Glu Glu Lys Leu Gln Asp Pro
65 70 75 80

Cys Pro His Leu Ser Ser
85

<210> 751
<211> 30
<212> PRT
<213> Homo sapiens

<400> 751
Arg Ser Pro Pro Gln Leu Ala Cys Val Trp Gly Met Asn Leu Ser Ser
1 5 10 15

Pro Pro Cys Leu Ala Leu Leu Thr Asn Arg Ala Cys Leu Ala

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20

25

30

<210> 752

<211> 74

<212> PRT

<213> Homo sapiens

<400> 752

Cys Glu Arg Asp Ser Glu Thr Ser Ser Ile Ala Met Thr Cys Ile Lys
 1 5 10 15

His Lys Pro Pro Lys Gln Lys Lys Arg Leu Ser Leu Leu Pro Gly Phe
 20 25 30

Arg Ser Ala Leu Pro Arg Val Cys Arg Cys His Met Ile Thr Val Gln
 35 40 45

Arg Glu Ala Phe Arg Thr His Thr Gly Cys Ser Thr Ser Val His Leu
 50 55 60

Pro Ser Arg Gly Gly Phe Leu Pro Asp Phe
 65 70

<210> 753

<211> 28

<212> PRT

<213> Homo sapiens

<400> 753

Lys Lys Arg Leu Ser Leu Leu Pro Gly Phe Arg Ser Ala Leu Pro Arg
 1 5 10 15

Val Cys Arg Cys His Met Ile Thr Val Gln Arg Glu
 20 25

<210> 754

<211> 59

<212> PRT

<213> Homo sapiens

<400> 754

Gln Ala Phe Val Leu Leu Ser Asp Leu Leu Leu Ile Phe Ser Pro Gln
 1 5 10 15

Met Ile Val Gly Gly Arg Asp Phe Leu Arg Pro Leu Val Phe Phe Pro
 20 25 30

Glu Ala Thr Leu Gln Ser Glu Leu Ala Ser Phe Leu Met Asp His Val
 35 40 45

Phe Ile Gln Pro Gly Asp Leu Gly Ser Gly Ala
 50 55

<210> 755

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<211> 43
 <212> PRT
 <213> Homo sapiens

<400> 755

Ala Cys Ser Tyr Leu Leu Cys Asn Pro Glu Phe Thr Phe Phe Ser Arg
 1 5 10 15

Ala Asp Phe Ala Arg Ser Gln Leu Val Asp Leu Leu Thr Asp Arg Phe
 20 25 30

Gln Gln Glu Leu Glu Glu Leu Leu Gln Val Gly
 35 40

<210> 756
 <211> 35
 <212> PRT
 <213> Homo sapiens

<400> 756

Gln Lys Gln Leu Ser Ser Leu Arg Asp Arg Met Val Ala Phe Cys Glu
 1 5 10 15

Leu Cys Gln Ser Cys Leu Ser Asp Val Asp Thr Glu Ile Gln Glu Gln
 20 25 30

Val Ser Thr
 35

<210> 757
 <211> 27
 <212> PRT
 <213> Homo sapiens

<400> 757

Gln Val Ile Leu Pro Ala Leu Thr Leu Val Tyr Phe Ser Ile Leu Trp
 1 5 10 15

Thr Leu Thr His Ile Ser Lys Ser Asp Ala Ser
 20 25

<210> 758
 <211> 31
 <212> PRT
 <213> Homo sapiens

<220>

<221> SITE

<222> (26)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 758

Ser Thr His Asp Leu Thr Arg Trp Glu Leu Tyr Glu Pro Cys Cys Gln
 1 5 10 15

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Leu Leu Gln Lys Ala Val Asp Thr Gly Xaa Val Pro His Gln Val
 20 25 30

<210> 759
 <211> 66
 <212> PRT
 <213> Homo sapiens

<400> 759
 Thr Ser Phe Leu Phe Pro Leu Gln Ala Phe Val Leu Leu Ser Asp Leu
 1 5 10 15

Leu Leu Ile Phe Ser Pro Gln Met Ile Val Gly Gly Arg Asp Phe Leu
 20 25 30

Arg Pro Leu Val Phe Phe Pro Glu Ala Thr Leu Gln Ser Glu Leu Ala
 35 40 45

Ser Phe Leu Met Asp His Val Phe Ile Gln Pro Gly Asp Leu Gly Ser
 50 55 60

Gly Ala
 65

<210> 760
 <211> 68
 <212> PRT
 <213> Homo sapiens

<400> 760
 Gly Trp Gly Ala Cys Ser Tyr Leu Leu Cys Asn Pro Glu Phe Thr Phe
 1 5 10 15

Phe Ser Arg Ala Asp Phe Ala Arg Ser Gln Leu Val Asp Leu Leu Thr
 20 25 30

Asp Arg Phe Gln Gln Glu Leu Glu Glu Leu Leu Gln Val Gly Ala Gly
 35 40 45

Ala Gly Gln Trp Asp Thr Pro Asn Lys Gly Gly Arg Gly Cys Lys Thr
 50 55 60

Gly Asp Val Asp
 65

<210> 761
 <211> 78
 <212> PRT
 <213> Homo sapiens

<400> 761
 Val Trp Val Leu Asp Gly Ile Met Gly Thr Glu Glu Ser Val Ser Ser
 1 5 10 15

Phe Phe Pro Phe Lys Pro Leu Cys Pro Gln Lys Gln Leu Ser Ser Leu

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	20		25		30
Arg Asp Arg Met Val Ala Phe Cys Glu Leu Cys Gln Ser Cys Leu Ser					
	35		40		45
Asp Val Asp Thr Glu Ile Gln Glu Gln Val Ser Thr Asp Ser Ser Gly					
	50		55		60
Ser Asn Lys Ala Ser Ile Pro Ala Pro Ile Pro Arg Arg Asn					
	65		70		75

<210> 762
 <211> 152
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (67)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (86)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 762
 Asn Ala Ser Leu Pro Ser Thr Ser Glu Trp Leu Ser Ser Ser Ser Pro
 1 5 10 15

Ser Arg Phe Tyr Trp Cys Leu Trp Ser Trp Phe Pro Leu Phe Phe Ser
 20 25 30

Ser Ile Thr Phe Pro Phe Leu Pro Gln Ser Thr His Asp Leu Thr Arg
 35 40 45

Trp Glu Leu Tyr Glu Pro Cys Cys Gln Leu Leu Gln Lys Ala Val Asp
 50 55 60

Thr Gly Xaa Val Pro His Gln Val Ser Gly Gln Ala Arg Asp Gly Leu
 65 70 75 80

Gly Ala Gly Gly Leu Xaa Phe Lys Asp Leu Arg Ser Arg Trp Pro Leu
 85 90 95

Gly Val Ser Ser Leu Ser Ala Trp Ser Gly Gln Ser Glu Glu Asp Gln
 100 105 110

Val Gly Gly Gly His Leu Leu His Ser Ser Leu Arg Arg Trp Thr Leu
 115 120 125

Leu Pro Gly Ser Ser Trp Ile Ser Trp Lys Pro Arg Ile Ile Leu Arg
 130 135 140

Asp Ser Arg Arg Arg Arg Val Asn
 145 150

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<210> 763
 <211> 38
 <212> PRT
 <213> Homo sapiens

<400> 763
 Val Leu Gly Glu Met Leu Leu Trp Ile Phe Phe Pro Ser Gln Ser Ser
 1 5 10 15
 Phe Leu Asp Glu Asp Glu Val Tyr Asn Leu Ala Ala Thr Leu Lys Arg
 20 25 30
 Leu Ser Ala Phe Tyr Lys
 35

<210> 764
 <211> 44
 <212> PRT
 <213> Homo sapiens

<400> 764
 Pro Lys Pro His Phe Ser Asn Pro Leu Leu Leu Gln Val Ile Leu Pro
 1 5 10 15
 Ala Leu Thr Leu Val Tyr Phe Ser Ile Leu Trp Thr Leu Thr His Ile
 20 25 30
 Ser Lys Ser Asp Ala Ser Pro Gly Glu Cys Gly Ser
 35 40

<210> 765
 <211> 7
 <212> PRT
 <213> Homo sapiens

<400> 765
 His Cys Gln Phe Leu Leu Gly
 1 5

<210> 766
 <211> 53
 <212> PRT
 <213> Homo sapiens

<400> 766
 Glu Phe Gly Thr Ser Leu Val Ala Leu Glu Leu His Glu Leu Leu Tyr
 1 5 10 15
 His Trp Glu Thr Arg Ala Gln Pro Ser Leu Ile Leu Tyr Val Val Ser
 20 25 30
 Asp Leu Arg Trp Met Glu Phe Arg Thr Ser Cys Leu Leu Phe Asp Phe
 35 40 45

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Val Leu Phe Leu Glu
50

<210> 767
<211> 54
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (17)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 767
Thr Lys Pro Gly Met Val Gly His Val Pro Ile Val Pro Ala Thr Lys
1 5 10 15
Xaa Ala Glu Ala Gly Gly Ser Pro Glu Pro Gly Ser Ser Thr Leu Gln
20 25 30
Trp Pro Met Ile Thr Pro Cys Thr Pro Ser Trp Ala Thr Glu Pro Asp
35 40 45
His Val Ser Glu Asp Glu
50

<210> 768
<211> 30
<212> PRT
<213> Homo sapiens

<400> 768
Leu Leu Tyr His Trp Glu Thr Arg Ala Gln Pro Ser Leu Ile Leu Tyr
1 5 10 15
Val Val Ser Asp Leu Arg Trp Met Glu Phe Arg Thr Ser Cys
20 25 30

<210> 769
<211> 106
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (46)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 769
Leu Ala Val Ser Thr Ser Phe Ile Cys Cys Ala Asp Ile Ser Thr Ala
1 5 10 15
Leu Pro Leu Gly Ser Ser Arg Pro Ala Pro Ala Pro Arg His Arg Glu
20 25 30

10004860.120701

His Glu His Gly His Gln Ala Arg Pro Pro Arg Leu Leu Xaa Thr Ser
35 40 45

Leu Met Pro Leu Ser Thr Pro Ala Ala Ala Gln Leu Leu Trp Thr Gln
50 55 60

Leu Thr Pro Met Gly Gly Arg Pro Gly Gly Arg His Ser Pro Pro Thr
65 70 75 80

Leu His Thr Gly Pro Arg Ala Leu Pro Pro Gly Pro Pro His Pro Ser
85 90 95

Leu His Val Ala Ala Leu Ser Leu Leu Arg
100 105

<210> 770

<211> 85

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (27)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (38)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 770

Ala Pro Ala Val Pro His Gln Pro Pro Gly Thr Glu Ser Thr Ser Met
1 5 10 15

Gly Thr Lys Pro Gly Leu Pro Gly Cys Ser Xaa Arg Pro Leu Cys His
20 25 30

Tyr Gln His Gln Leu Xaa Pro Ser Tyr Phe Gly His Ser Ser Pro Pro
35 40 45

Trp Gly Ala Val Leu Val Gly Val Thr Pro His Pro Arg Cys Thr Pro
50 55 60

Ala Pro Gly Pro Cys Arg Leu Gly Leu His Thr His Pro Cys Thr Trp
65 70 75 80

Gln Leu Cys Leu Cys
85

<210> 771

<211> 28

<212> PRT

<213> Homo sapiens

<400> 771

Cys Ala Asp Ile Ser Thr Ala Leu Pro Leu Gly Ser Ser Arg Pro Ala

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1

5

10

15

Pro Ala Pro Arg His Arg Glu His Glu His Gly His
 20 25

<210> 772

<211> 25

<212> PRT

<213> Homo sapiens

<400> 772

Trp Thr Gln Leu Thr Pro Met Gly Gly Arg Pro Gly Gly Arg His Ser
 1 5 10 15

Pro Pro Thr Leu His Thr Gly Pro Arg
 20 25

<210> 773

<211> 20

<212> PRT

<213> Homo sapiens

<400> 773

His Gln Pro Pro Gly Thr Glu Ser Thr Ser Met Gly Thr Lys Pro Gly
 1 5 10 15

Leu Pro Gly Cys
 20

<210> 774

<211> 64

<212> PRT

<213> Homo sapiens

<400> 774

Ser Arg Gly Ser Leu Leu Pro Pro His Leu Pro His Arg Val Val Val
 1 5 10 15

Arg Val His Arg Gly Ala Lys Ser Leu Lys Ala Leu Arg Gln Tyr Ile
 20 25 30

Gly Ala Ala His Leu Gln Leu Pro Trp Asp Gly Lys Asp Pro Ala Arg
 35 40 45

Pro Leu Gly Ile Thr Leu Cys Leu Gln Met Glu Ile Gln Val Leu Gly
 50 55 60

<210> 775

<211> 150

<212> PRT

<213> Homo sapiens

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<400> 775

Cys Cys Ser Phe Gly Phe Tyr Tyr Met Val Gly Ser Asp Thr Ala Glu
 1 5 10 15

Lys Gln Gly Pro Ile Pro Gly Ser Gln Thr Gln Glu Gly Pro Trp Leu
 20 25 30

Ser Arg His Thr His Ser Pro Arg Ala Val Pro Glu Ser Ser Thr Ala
 35 40 45

Pro Ala Gln Pro Leu Leu Leu Pro Leu Pro Ala Pro Gln Ala Arg Arg
 50 55 60

Trp Ala Ser Asn Ala Asn Gly Trp Gly Trp Asp His Gln Arg Glu Gly
 65 70 75 80

Gln Ala Asn Tyr Pro Tyr Ser Ala Arg Pro Ala Pro His Asn Leu His
 85 90 95

Pro Gln Tyr Leu Asn Leu His Leu Gln Thr Gln Cys Tyr Ala Gln Gly
 100 105 110

Ser Gly Trp Val Leu Pro Ile Pro Gly Gln Leu Lys Val Gly Gly Pro
 115 120 125

Tyr Ile Leu Pro Glu Gly Leu Gln Gly Leu Cys Ser Ser Val His Pro
 130 135 140

His Asn Asn Pro Val Arg
 145 150

<210> 776

<211> 25

<212> PRT

<213> Homo sapiens

<400> 776

His Arg Gly Ala Lys Ser Leu Lys Ala Leu Arg Gln Tyr Ile Gly Ala
 1 5 10 15

Ala His Leu Gln Leu Pro Trp Asp Gly
 20 25

<210> 777

<211> 21

<212> PRT

<213> Homo sapiens

<400> 777

Pro Ala Pro Gln Ala Arg Arg Trp Ala Ser Asn Ala Asn Gly Trp Gly
 1 5 10 15

Trp Asp His Gln Arg
 20

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<210> 778
 <211> 23
 <212> PRT
 <213> Homo sapiens

<400> 778
 His Pro Gln Tyr Leu Asn Leu His Leu Gln Thr Gln Cys Tyr Ala Gln
 1 5 10 15
 Gly Ser Gly Trp Val Leu Pro
 20

<210> 779
 <211> 64
 <212> PRT
 <213> Homo sapiens

<400> 779
 Thr Asn Gly Ile Met Gln Tyr Val Thr Phe Cys Val Trp Leu Ile Leu
 1 5 10 15
 Phe Ser Ile Met Phe Leu Arg Phe Ile Gln Ala Val Ala Cys Ile Ser
 20 25 30
 Thr Ser Phe Leu Phe Leu Ala Glu Tyr Tyr Ser Ile Ile Trp Ile Tyr
 35 40 45
 His Asn Ser Phe Thr Tyr Ser Ser Phe Val Ser Ala Val Trp Leu Leu
 50 55 60

<210> 780
 <211> 123
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (45)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (46)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (47)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 780
 Tyr Asn Phe Met Phe Asn Phe Ser Lys Asn Cys Gln Lys Val Phe His

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1	5	10	15
Ser Gly Cys Ile Ile Tyr Ile Pro Thr Gly Asn Val Gln Gly Phe Leu	20	25	30
Phe Phe His Ile Leu Ala Leu Thr Asn Thr Ser Phe Xaa Xaa Xaa Phe	35	40	45
Cys Phe Phe Ile Ile Ala Thr Leu Val Asp Val Lys Trp His Leu Ile	50	55	60
Val Leu Ile Cys Ile Ser Leu Met Thr Asn Asp Ile Ile Leu Phe Leu	65	70	75
Cys Ala Tyr Gly Ser Lys Val Phe Pro Trp Arg Asn Val Pro Ser Ser	85	90	95
Pro Leu Pro Phe Gln Asn Leu Val Ile Cys Leu Leu Leu Phe Ser Phe	100	105	110
Lys Lys Phe Trp Pro Gly Ala Val Ala His Leu	115	120	

<210> 781

<211> 91

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (34)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (66)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (79)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 781

Cys Val Thr Gln Ala Arg Val Gln Trp Arg Asp Leu Gly Ser Leu Gln	1	5	10	15
---	---	---	----	----

Pro Pro Pro Pro Gly Phe Lys Arg Phe Ser Cys Leu Ser Leu Leu Ser	20	25	30
---	----	----	----

Arg Xaa Asp Tyr Met His Leu Pro Pro Arg Pro Ala Asn Phe Cys Ile	35	40	45
---	----	----	----

Phe Ser Lys Met Gly Phe His Val Gly Gln Ala Gly Leu Glu Val	50	55	60
---	----	----	----

Leu Xaa Ser Ser Asp Leu Pro Ala Leu Ala Ser Gln Ser Ala Xaa Ile			
---	--	--	--

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65

70

75

80

Thr Gly Glu Pro Leu Arg Leu Ala Arg Ile Ser
 85 90

<210> 782
 <211> 25
 <212> PRT
 <213> Homo sapiens

<400> 782
 Leu Pro Pro Arg Pro Ala Asn Phe Cys Ile Phe Ser Lys Met Gly Phe
 1 5 10 15

His His Val Gly Gln Ala Gly Leu Glu
 20 25

<210> 783
 <211> 24
 <212> PRT
 <213> Homo sapiens

<400> 783
 Leu Ile Leu Phe Ser Ile Met Phe Leu Arg Phe Ile Gln Ala Val Ala
 1 5 10 15

Cys Ile Ser Thr Ser Phe Leu Phe
 20

<210> 784
 <211> 90
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (90)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 784
 Ala Leu Val Pro Ser Pro Gln Gln Ile Leu Pro Ser Cys Phe Ser Leu
 1 5 10 15

Met Trp Gln Val Thr Thr Lys Ser Ala Leu Val Phe Phe Lys Cys Ile
 20 25 30

Tyr Ile Pro Phe Leu Ser Ala Pro Ser Leu Pro Arg Leu Glu Asn Cys
 35 40 45

Leu Ile Phe Cys Ser Leu Asp Val Gln Ser Gln Leu Val Phe Leu Ser
 50 55 60

Ser Pro Pro Val Ala Gly Val Leu Phe Phe Phe Leu Leu Ser Pro Leu
 65 70 75 80

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Gly Ser Lys Ser Cys Ser Thr Val Glu Xaa
85 90

<210> 785
<211> 26
<212> PRT
<213> Homo sapiens

<400> 785
Ala Pro Ser Leu Pro Arg Leu Glu Asn Cys Leu Ile Phe Cys Ser Leu
1 5 10 15

Asp Val Gln Ser Gln Leu Val Phe Leu Ser
20 25

<210> 786
<211> 13
<212> PRT
<213> Homo sapiens

<400> 786
Ser Ser Pro Ser Arg Val Arg Leu Arg His Thr Pro Gly
1 5 10

<210> 787
<211> 76
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (43)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (60)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 787
Ser Asn Thr Asn Tyr Cys Phe Met Phe Phe Tyr Phe Pro Val Lys Val
1 5 10 15

Leu Val Pro Phe Lys Asn Cys Tyr Ile Leu Ser Leu Leu Ile Leu Pro
20 25 30

Cys Cys Ile Cys Gly His Gln Phe Pro Arg Xaa Gln Ala Cys Thr Phe
35 40 45

Cys Leu His Thr Leu Gly Gly Phe Ser Phe Ser Xaa Leu Phe Leu Val
50 55 60

Leu Leu Ser Phe Tyr Val Gln Thr Gly Phe Ser Val
65 70 75

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<210> 788
 <211> 119
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (41)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (97)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (103)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 788
 Gly Thr Ser Arg His Gly Gln Arg Pro Ile Ala Pro Gly Thr Pro Trp
 1 5 10 15
 Gln Arg Glu Pro Arg Val Glu Val Met Asp Pro Ala Gly Gly Pro Arg
 20 25 30
 Gly Val Leu Pro Arg Pro Cys Arg Xaa Leu Val Leu Leu Asn Pro Arg
 35 40 45
 Gly Gly Lys Gly Lys Ala Leu Gln Leu Phe Arg Ser His Val Gln Pro
 50 55 60
 Leu Leu Ala Glu Ala Glu Ile Ser Phe Thr Leu Met Leu Thr Glu Arg
 65 70 75 80
 Arg Asn His Ala Arg Glu Leu Val Arg Ser Glu Glu Leu Gly Arg Trp
 85 90 95
 Xaa Ala Leu Val Val Met Xaa Gly Asp Gly Leu Met His Glu Val Val
 100 105 110
 Asn Gly Leu His Gly Ala Ala
 115

<210> 789
 <211> 24
 <212> PRT
 <213> Homo sapiens

<400> 789
 Arg Pro Ile Ala Pro Gly Thr Pro Trp Gln Arg Glu Pro Arg Val Glu
 1 5 10 15
 Val Met Asp Pro Ala Gly Gly Pro
 20

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<210> 790
 <211> 15
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (8)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 790
 Ala Ser Gly Pro Leu Met Gly Xaa Ala Val Leu Lys Ile Phe Glu
 1 5 10 15

<210> 791
 <211> 18
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (7)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 791
 Leu Leu Arg Ser Ala Leu Xaa Ser Pro His Leu Pro Thr Pro Val Pro
 1 5 10 15

Leu Val

<210> 792
 <211> 69
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (2)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (24)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (45)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (46)

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<223> Xaa equals any of the naturally occurring L-amino acids

<400> 792

Gln Xaa Arg Asn Leu Ala Gln Glu Ala Phe Lys Trp Ile Pro Gln Asp
1 5 10 15

Arg Pro Thr Val Arg Ser Arg Xaa Arg Met Gly Leu Ser Ile Arg Leu
20 25 30

Pro Ile Leu Ala Ser Asn Cys Cys Ala Leu Pro Phe Xaa Xaa Pro Thr
35 40 45

Ser Pro Leu Gln Cys Leu Trp Ser Cys His Cys Ser Phe Gln Ala Asn
50 55 60

Thr Gly Leu Ala Ser
65

<210> 793

<211> 59

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (53)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 793

Gln Met Thr Gln Glu Pro Pro Thr Ser Val Arg Ala His Gly Ile Ala
1 5 10 15

Ala Trp Gly Asn Gly Cys Arg Asp Lys Asn Thr Lys Arg Leu Ile Gln
20 25 30

Tyr Trp Pro Glu Ser Cys Ser Gly Met Thr Lys Gly Thr Gly Val Gly
35 40 45

Arg Trp Gly Glu Xaa Arg Ala Glu Arg Ser Ser
50 55

<210> 794

<211> 21

<212> PRT

<213> Homo sapiens

<400> 794

His Gly Ile Ala Ala Trp Gly Asn Gly Cys Arg Asp Lys Asn Thr Lys
1 5 10 15

Arg Leu Ile Gln Tyr
20

<210> 795

<211> 13

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<212> PRT
 <213> Homo sapiens

<400> 795
 Cys Glu Arg Ser Gly Tyr Thr Arg Met Ala Met Asp Thr
 1 5 10

<210> 796
 <211> 132
 <212> PRT
 <213> Homo sapiens

<400> 796
 Thr Gly Ser Ile Leu Ala Val Gly Lys Lys Tyr Ser Leu Gly Ser Tyr
 1 5 10 15

 Ser Arg Gly Asp Trp His Met Arg Val Val Gly Leu Arg Gly Leu Gly
 20 25 30

 Ala Ser Thr Leu Gln Gly Leu Leu Ile Gly Ile Lys Pro Asn Lys Pro
 35 40 45

 Gln Gly Arg Gly Lys Leu Gln Gly Arg Ser Ser Arg Lys Asp Thr Val
 50 55 60

 Leu Trp Pro Ser Pro Glu His Pro His Met Val Ser Met Ala Ile Leu
 65 70 75 80

 Val Tyr Pro Asp Leu Ser His Tyr Ser Asn Pro His Ser Thr Pro Ala
 85 90 95

 Ala Leu Leu Gly Cys Trp Pro Pro Phe Arg Glu Gly Glu Ile Leu Gly
 100 105 110

 Leu Gln Arg Pro Gly Gln Trp Pro Glu Glu Arg Cys Asp Arg Pro Trp
 115 120 125

 Leu Pro Pro Cys
 130

<210> 797
 <211> 29
 <212> PRT
 <213> Homo sapiens

<400> 797
 Gly Ser Tyr Ser Arg Gly Asp Trp His Met Arg Val Val Gly Leu Arg
 1 5 10 15

 Gly Leu Gly Ala Ser Thr Leu Gln Gly Leu Leu Ile Gly
 20 25

<210> 798
 <211> 27
 <212> PRT

10004360-120701

<213> Homo sapiens

<400> 798

Ser Thr Pro Ala Ala Leu Leu Gly Cys Trp Pro Pro Phe Arg Glu Gly
1 5 10 15

Glu Ile Leu Gly Leu Gln Arg Pro Gly Gln Trp
20 25

<210> 799

<211> 44

<212> PRT

<213> Homo sapiens

<400> 799

Thr Met Gly Thr Trp Val Asp Trp Leu Thr Thr Asn Thr Ala His Thr
1 5 10 15

Pro Ala Ile Ala Ala Ala Ile Cys Ala Glu Asp Phe Pro Gln Arg His
20 25 30

Cys Gly Ser Val Glu Arg Ser Pro Asp Gln Ala Cys
35 40

<210> 800

<211> 23

<212> PRT

<213> Homo sapiens

<400> 800

Thr Asn Thr Ala His Thr Pro Ala Ile Ala Ala Ala Ile Cys Ala Glu
1 5 10 15

Asp Phe Pro Gln Arg His Cys
20

<210> 801

<211> 15

<212> PRT

<213> Homo sapiens

<400> 801

Met Ser Pro Glu Thr Lys Gly Lys Gly Arg Ser Phe Pro Leu Lys
1 5 10 15

<210> 802

<211> 82

<212> PRT

<213> Homo sapiens

<400> 802

Cys Gln Asn Lys Cys Ser Glu Thr Thr Cys Gly Arg Thr Arg Arg Glu
1 5 10 15

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Ser Asn Lys Gln Ala Arg Ala Met Ala Phe Ile Phe Lys Gly Lys Asp
 20 25 30

Leu Pro Phe Pro Phe Val Ser Gly Asp Ile Gln Pro Lys Ser Ser Gly
 35 40 45

Ser Met Ala Pro Asp Gln Gln Gly Leu Cys Tyr Leu Gly Ser Trp Arg
 50 55 60

Ser His Leu Tyr Cys Arg Leu Leu Pro Met Asp Gln Val Ser Pro Ala
 65 70 75 80

Leu Cys

<210> 803

<211> 63

<212> PRT

<213> Homo sapiens

<400> 803

Lys Pro Ser Pro Gly Leu Ala Tyr Cys Ser Leu Ser Trp Ser Phe His
 1 5 10 15

Met Leu Phe Leu Asn Ile Cys Ser Gly Ile Thr Ile Pro Val Ile Leu
 20 25 30

Ser Ser Gly Pro Ser His Leu Ser Thr Leu Ser Leu Ala Val Ser Pro
 35 40 45

Arg Arg Pro Gly Thr Trp Val Lys Ala Cys Ser Cys Trp Cys Pro
 50 55 60

<210> 804

<211> 25

<212> PRT

<213> Homo sapiens

<400> 804

Asn Lys Gln Ala Arg Ala Met Ala Phe Ile Phe Lys Gly Lys Asp Leu
 1 5 10 15

Pro Phe Pro Phe Val Ser Gly Asp Ile
 20 25

<210> 805

<211> 21

<212> PRT

<213> Homo sapiens

<400> 805

Tyr Leu Gly Ser Trp Arg Ser His Leu Tyr Cys Arg Leu Leu Pro Met
 1 5 10 15

Asp Gln Val Ser Pro

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20

<210> 806
 <211> 25
 <212> PRT
 <213> Homo sapiens

<400> 806
 Gly Ile Thr Ile Pro Val Ile Leu Ser Ser Gly Pro Ser His Leu Ser
 1 5 10 15

Thr Leu Ser Leu Ala Val Ser Pro Arg
 20 25

<210> 807
 <211> 11
 <212> PRT
 <213> Homo sapiens

<400> 807
 Leu Glu Arg Leu Gly Val Gly Arg Gly Leu Glu
 1 5 10

<210> 808
 <211> 67
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (48)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (55)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 808
 Asp Leu Pro Pro Cys Trp Thr Thr Leu Lys Glu His Gln Cys Phe Met
 1 5 10 15

Gln Tyr Gln Leu Phe Thr Ile Gln Cys Lys Val Val Glu Gln Thr Ile
 20 25 30

Cys Glu Asp Glu Arg Lys Met Glu Ser Thr Cys Leu Thr Leu Ala Xaa
 35 40 45

Pro Glu Ser Val Arg Gln Xaa Cys Pro Ala Thr Leu Trp Ser Ser Met
 50 55 60

Asn Ile Cys
 65

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<210> 809
 <211> 49
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (5)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 809
 Thr Asn Arg Val Xaa Leu Ser Trp Arg Lys Glu Glu Gln Arg Met Gly
 1 5 10 15
 Arg Thr Glu Thr Gly Ala Lys Asp Lys Gly Arg Asp Phe Leu Glu Arg
 20 25 30
 Gly Ser Arg Gly Trp Gln Leu Tyr Thr Gly Ala Ala Asp Thr Glu Glu
 35 40 45
 Val

<210> 810
 <211> 207
 <212> PRT
 <213> Homo sapiens

<400> 810
 Glu Gln Val Leu Ala Leu Leu Trp Pro Arg Phe Glu Leu Ile Leu Glu
 1 5 10 15
 Met Asn Val Gln Ser Val Arg Ser Thr Asp Pro Gln Arg Leu Gly Gly
 20 25 30
 Leu Asp Thr Arg Pro His Tyr Ile Thr Arg Arg Tyr Ala Glu Phe Ser
 35 40 45
 Ser Ala Leu Val Ser Ile Asn Gln Thr Ile Pro Asn Glu Arg Thr Met
 50 55 60
 Gln Leu Leu Gly Gln Leu Gln Val Glu Val Glu Asn Phe Val Leu Arg
 65 70 75 80
 Val Ala Ala Glu Phe Ser Ser Arg Lys Glu Gln Leu Val Phe Leu Ile
 85 90 95
 Asn Asn Tyr Asp Met Met Leu Gly Val Leu Met Glu Arg Ala Ala Asp
 100 105 110
 Asp Ser Lys Glu Val Glu Ser Phe Gln Gln Leu Leu Asn Ala Arg Thr
 115 120 125
 Gln Glu Phe Ile Glu Glu Leu Leu Ser Pro Pro Phe Gly Gly Leu Val
 130 135 140
 Ala Phe Val Lys Glu Ala Glu Ala Leu Ile Glu Arg Gly Gln Ala Glu

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<210> 811
<211> 110
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (72)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 811
Ala Leu Leu Lys Tyr Arg Phe Phe Tyr Gln Phe Leu Leu Gly Asn Glu
 1             5             10             15
Arg Ala Thr Ala Lys Glu Ile Arg Asp Glu Tyr Val Glu Thr Leu Ser
      20             25             30
Lys Ile Tyr Leu Ser Tyr Tyr Arg Ser Tyr Leu Gly Arg Leu Met Lys
      35             40             45
Val Gln Tyr Glu Glu Val Ala Glu Lys Asp Asp Leu Met Gly Val Glu
      50             55             60
Asp Thr Ala Lys Lys Gly Phe Xaa Ser Lys Pro Ser Leu Arg Ser Arg
      65             70             75             80
Asn Thr Ile Phe Thr Leu Gly Thr Arg Gly Ser Val Ile Ser Pro Thr
      85             90             95
Glu Leu Glu Ala Pro Ile Leu Val Pro His Thr Ala Gln Arg
      100            105            110

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<210> 812
<211> 97
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (16)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (38)
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<223> Xaa equals any of the naturally occurring L-amino acids

<400> 812

Glu Gln Arg Tyr Pro Phe Glu Ala Leu Phe Arg Ser Gln His Tyr Xaa
1 5 10 15

Leu Leu Asp Asn Ser Cys Arg Glu Tyr Leu Phe Ile Cys Glu Phe Phe
20 25 30

Val Val Ser Gly Pro Xaa Ala His Asp Leu Phe His Ala Val Met Gly
35 40 45

Arg Thr Leu Ser Met Thr Leu Lys His Leu Asp Ser Tyr Leu Ala Asp
50 55 60

Cys Tyr Asp Ala Ile Ala Val Phe Leu Cys Ile His Ile Val Leu Arg
65 70 75 80

Phe Arg Asn Ile Ala Ala Lys Arg Asp Val Pro Ala Leu Asp Arg Tyr
85 90 95

Trp

<210> 813

<211> 26

<212> PRT

<213> Homo sapiens

<400> 813

Gly Gly Leu Asp Thr Arg Pro His Tyr Ile Thr Arg Arg Tyr Ala Glu
1 5 10 15

Phe Ser Ser Ala Leu Val Ser Ile Asn Gln
20 25

<210> 814

<211> 20

<212> PRT

<213> Homo sapiens

<400> 814

Ser Arg Lys Glu Gln Leu Val Phe Leu Ile Asn Asn Tyr Asp Met Met
1 5 10 15

Leu Gly Val Leu
20

<210> 815

<211> 411

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

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<222> (72)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (111)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (127)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (149)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 815

Ala	Leu	Leu	Lys	Tyr	Arg	Phe	Phe	Tyr	Gln	Phe	Leu	Leu	Gly	Asn	Glu
1			5						10					15	

Arg	Ala	Thr	Ala	Lys	Glu	Ile	Arg	Asp	Glu	Tyr	Val	Glu	Thr	Leu	Ser
			20					25					30		

Lys	Ile	Tyr	Leu	Ser	Tyr	Tyr	Arg	Ser	Tyr	Leu	Gly	Arg	Leu	Met	Lys
	35						40					45			

Val	Gln	Tyr	Glu	Glu	Val	Ala	Glu	Lys	Asp	Asp	Leu	Met	Gly	Val	Glu
	50					55					60				

Asp	Thr	Ala	Lys	Lys	Gly	Phe	Xaa	Ser	Lys	Pro	Ser	Leu	Arg	Ser	Arg
65					70					75					80

Asn	Thr	Ile	Phe	Thr	Leu	Gly	Thr	Arg	Gly	Ser	Val	Ile	Ser	Pro	Thr
			85						90					95	

Glu	Leu	Glu	Ala	Pro	Ile	Leu	Val	Pro	His	Thr	Ala	Gln	Arg	Xaa	Glu
			100					105					110		

Gln	Arg	Tyr	Pro	Phe	Glu	Ala	Leu	Phe	Arg	Ser	Gln	His	Tyr	Xaa	Leu
	115						120					125			

Leu	Asp	Asn	Ser	Cys	Arg	Glu	Tyr	Leu	Phe	Ile	Cys	Glu	Phe	Phe	Val
	130					135					140				

Val	Ser	Gly	Pro	Xaa	Ala	His	Asp	Leu	Phe	His	Ala	Val	Met	Gly	Arg
145					150					155					160

Thr	Leu	Ser	Met	Thr	Leu	Lys	His	Leu	Asp	Ser	Tyr	Leu	Ala	Asp	Cys
			165						170					175	

Tyr	Asp	Ala	Ile	Ala	Val	Phe	Leu	Cys	Ile	His	Ile	Val	Leu	Arg	Phe
			180					185						190	

Arg	Asn	Ile	Ala	Ala	Lys	Arg	Asp	Val	Pro	Ala	Leu	Asp	Arg	Tyr	Trp
		195					200								205

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Glu Gln Val Leu Ala Leu Leu Trp Pro Arg Phe Glu Leu Ile Leu Glu
210 215 220

Met Asn Val Gln Ser Val Arg Ser Thr Asp Pro Gln Arg Leu Gly Gly
225 230 235 240

Leu Asp Thr Arg Pro His Tyr Ile Thr Arg Arg Tyr Ala Glu Phe Ser
245 250 255

Ser Ala Leu Val Ser Ile Asn Gln Thr Ile Pro Asn Glu Arg Thr Met
260 265 270

Gln Leu Leu Gly Gln Leu Gln Val Glu Val Glu Asn Phe Val Leu Arg
275 280 285

Val Ala Ala Glu Phe Ser Ser Arg Lys Glu Gln Leu Val Phe Leu Ile
290 295 300

Asn Asn Tyr Asp Met Met Leu Gly Val Leu Met Glu Arg Ala Ala Asp
305 310 315 320

Asp Ser Lys Glu Val Glu Ser Phe Gln Gln Leu Leu Asn Ala Arg Thr
325 330 335

Gln Glu Phe Ile Glu Glu Leu Leu Ser Pro Pro Phe Gly Gly Leu Val
340 345 350

Ala Phe Val Lys Glu Ala Glu Ala Leu Ile Glu Arg Gly Gln Ala Glu
355 360 365

Arg Leu Arg Gly Glu Glu Ala Arg Val Thr Gln Leu Ile Arg Gly Phe
370 375 380

Gly Ser Ser Trp Lys Ser Ser Val Glu Ser Leu Ser Gln Asp Val Met
385 390 395 400

Arg Ser Phe Thr Asn Phe Arg Asn Gly Thr Ser
405 410

<210> 816

<211> 82

<212> PRT

<213> Homo sapiens

<400> 816

Pro Ala Asp Leu Arg Ala Val Ser Gly Thr Ser Glu Val Gly Leu Met
1 5 10 15

Leu Leu Glu Leu His His Lys Val Val Asn Val Asp Glu Leu Ser Pro
20 25 30

Gly Arg Glu Gly Ser Glu Leu Arg Leu Gly Gln His Pro Val Glu Ala
35 40 45

Met Ile Glu Leu Asp Gln Leu Gly Gln Arg Ser Leu Asn Asp Thr Gly
50 55 60

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Ala Ile Ser Glu Val Gly Glu Thr Pro His Tyr Ile Leu Thr Gln Arg
 65 70 75 80

Phe His

<210> 817
 <211> 120
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (12)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (28)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (50)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 817
 Gly Pro His Pro Gly Ala Ser His Ser Ala Ala Xaa Glu Gln Arg Tyr
 1 5 10 15

Pro Phe Glu Ala Leu Phe Arg Ser Gln His Tyr Xaa Leu Leu Asp Asn
 20 25 30

Ser Cys Arg Glu Tyr Leu Phe Ile Cys Glu Phe Phe Val Val Ser Gly
 35 40 45

Pro Xaa Ala His Asp Leu Phe His Ala Val Met Gly Arg Thr Leu Ser
 50 55 60

Met Thr Leu Lys His Leu Asp Ser Tyr Leu Ala Asp Cys Tyr Asp Ala
 65 70 75 80

Ile Ala Val Phe Leu Cys Ile His Ile Val Leu Arg Phe Arg Asn Ile
 85 90 95

Ala Ala Lys Arg Asp Val Pro Ala Leu Asp Arg Tyr Trp Gly Thr Gly
 100 105 110

Ala Cys Leu Ala Met Ala Thr Val
 115 120

<210> 818
 <211> 303
 <212> PRT
 <213> Homo sapiens

10004860-120701

<400> 818

Tyr Glu Gly Lys Glu Phe Asp Tyr Val Phe Ser Ile Asp Val Asn Glu
 1 5 10 15
 Gly Gly Pro Ser Tyr Lys Leu Pro Tyr Asn Thr Ser Asp Asp Pro Trp
 20 25 30
 Leu Thr Ala Tyr Asn Phe Leu Gln Lys Asn Asp Leu Asn Pro Met Phe
 35 40 45
 Leu Asp Gln Val Ala Lys Phe Ile Ile Asp Asn Thr Lys Gly Gln Met
 50 55 60
 Leu Gly Leu Gly Asn Pro Ser Phe Ser Asp Pro Phe Thr Gly Gly Gly
 65 70 75 80
 Arg Tyr Val Pro Gly Ser Ser Gly Ser Ser Asn Thr Leu Pro Thr Ala
 85 90 95
 Asp Pro Phe Thr Gly Ala Gly Arg Tyr Val Pro Gly Ser Ala Ser Met
 100 105 110
 Gly Thr Thr Met Ala Gly Val Asp Pro Phe Thr Gly Asn Ser Ala Tyr
 115 120 125
 Arg Ser Ala Ala Ser Lys Thr Met Asn Ile Tyr Phe Pro Lys Lys Glu
 130 135 140
 Ala Val Thr Phe Asp Gln Ala Asn Pro Thr Gln Ile Leu Gly Lys Leu
 145 150 155 160
 Lys Glu Leu Asn Gly Thr Ala Pro Glu Glu Lys Lys Leu Thr Glu Asp
 165 170 175
 Asp Leu Ile Leu Leu Glu Lys Ile Leu Ser Leu Ile Cys Asn Ser Ser
 180 185 190
 Ser Glu Lys Pro Thr Val Gln Gln Leu Gln Ile Leu Trp Lys Ala Ile
 195 200 205
 Asn Cys Pro Glu Asp Ile Val Phe Pro Ala Leu Asp Ile Leu Arg Leu
 210 215 220
 Ser Ile Lys His Pro Ser Val Asn Glu Asn Phe Cys Asn Glu Lys Glu
 225 230 235 240
 Gly Ala Gln Phe Ser Ser His Leu Ile Asn Leu Leu Asn Pro Lys Gly
 245 250 255
 Lys Pro Ala Asn Gln Leu Leu Ala Leu Arg Thr Phe Cys Asn Cys Phe
 260 265 270
 Val Gly Gln Ala Gly Gln Lys Leu Met Met Ser Gln Arg Glu Ser Leu
 275 280 285
 Met Ser His Ala Ile Glu Leu Lys Ser Gly Ser Asn Lys Asn Ile
 290 295 300

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<210> 819
 <211> 18
 <212> PRT
 <213> Homo sapiens

<400> 819
 His Ile Ala Leu Ala Thr Leu Ala Leu Asn Tyr Ser Val Cys Phe His
 1 5 10 15

Lys Asp

<210> 820
 <211> 49
 <212> PRT
 <213> Homo sapiens

<400> 820
 His Asn Ile Glu Gly Lys Ala Gln Cys Leu Ser Leu Ile Ser Thr Ile
 1 5 10 15

Leu Glu Val Val Gln Asp Leu Glu Ala Thr Phe Arg Leu Leu Val Ala
 20 25 30

Leu Gly Thr Leu Ile Ser Asp Asp Ser Asn Ala Val Gln Leu Ala Lys
 35 40 45

Ser

<210> 821
 <211> 30
 <212> PRT
 <213> Homo sapiens

<400> 821
 Leu Gly Val Asp Ser Gln Ile Lys Lys Tyr Ser Ser Val Ser Glu Pro
 1 5 10 15

Ala Lys Val Ser Glu Cys Cys Arg Phe Ile Leu Asn Leu Leu
 20 25 30

<210> 822
 <211> 400
 <212> PRT
 <213> Homo sapiens

<400> 822
 Tyr Glu Gly Lys Glu Phe Asp Tyr Val Phe Ser Ile Asp Val Asn Glu
 1 5 10 15

Gly Gly Pro Ser Tyr Lys Leu Pro Tyr Asn Thr Ser Asp Asp Pro Trp
 20 25 30

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Leu Thr Ala Tyr Asn Phe Leu Gln Lys Asn Asp Leu Asn Pro Met Phe
 35 40 45
 Leu Asp Gln Val Ala Lys Phe Ile Ile Asp Asn Thr Lys Gly Gln Met
 50 55 60
 Leu Gly Leu Gly Asn Pro Ser Phe Ser Asp Pro Phe Thr Gly Gly Gly
 65 70 75 80
 Arg Tyr Val Pro Gly Ser Ser Gly Ser Ser Asn Thr Leu Pro Thr Ala
 85 90 95
 Asp Pro Phe Thr Gly Ala Gly Arg Tyr Val Pro Gly Ser Ala Ser Met
 100 105 110
 Gly Thr Thr Met Ala Gly Val Asp Pro Phe Thr Gly Asn Ser Ala Tyr
 115 120 125
 Arg Ser Ala Ala Ser Lys Thr Met Asn Ile Tyr Phe Pro Lys Lys Glu
 130 135 140
 Ala Val Thr Phe Asp Gln Ala Asn Pro Thr Gln Ile Leu Gly Lys Leu
 145 150 155 160
 Lys Glu Leu Asn Gly Thr Ala Pro Glu Glu Lys Lys Leu Thr Glu Asp
 165 170 175
 Asp Leu Ile Leu Leu Glu Lys Ile Leu Ser Leu Ile Cys Asn Ser Ser
 180 185 190
 Ser Glu Lys Pro Thr Val Gln Gln Leu Gln Ile Leu Trp Lys Ala Ile
 195 200 205
 Asn Cys Pro Glu Asp Ile Val Phe Pro Ala Leu Asp Ile Leu Arg Leu
 210 215 220
 Ser Ile Lys His Pro Ser Val Asn Glu Asn Phe Cys Asn Glu Lys Glu
 225 230 235 240
 Gly Ala Gln Phe Ser Ser His Leu Ile Asn Leu Leu Asn Pro Lys Gly
 245 250 255
 Lys Pro Ala Asn Gln Leu Leu Ala Leu Arg Thr Phe Cys Asn Cys Phe
 260 265 270
 Val Gly Gln Ala Gly Gln Lys Leu Met Met Ser Gln Arg Glu Ser Leu
 275 280 285
 Met Ser His Ala Ile Glu Leu Lys Ser Gly Ser Asn Lys Asn Ile His
 290 295 300
 Ile Ala Leu Ala Thr Leu Ala Leu Asn Tyr Ser Val Cys Phe His Lys
 305 310 315 320
 Asp His Asn Ile Glu Gly Lys Ala Gln Cys Leu Ser Leu Ile Ser Thr
 325 330 335
 Ile Leu Glu Val Val Gln Asp Leu Glu Ala Thr Phe Arg Leu Leu Val

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340

345

350

Ala Leu Gly Thr Leu Ile Ser Asp Asp Ser Asn Ala Val Gln Leu Ala
 355 360 365

Lys Ser Leu Gly Val Asp Ser Gln Ile Lys Lys Tyr Ser Ser Val Ser
 370 375 380

Glu Pro Ala Lys Val Ser Glu Cys Cys Arg Phe Ile Leu Asn Leu Leu
 385 390 395 400

<210> 823

<211> 29

<212> PRT

<213> Homo sapiens

<400> 823

Leu Asn Leu Leu Leu Ile Thr Gln Lys Val Lys Cys Trp Asp Leu Gly
 1 5 10 15

Ile Pro Ala Phe Gln Ile His Leu Gln Val Val Val Gly
 20 25

<210> 824

<211> 29

<212> PRT

<213> Homo sapiens

<400> 824

Ile Lys His Pro Ser Val Asn Glu Asn Phe Cys Asn Glu Lys Glu Gly
 1 5 10 15

Ala Gln Phe Ser Ser His Leu Ile Asn Leu Leu Asn Pro
 20 25

<210> 825

<211> 22

<212> PRT

<213> Homo sapiens

<400> 825

Ala Ile Glu Leu Lys Ser Gly Ser Asn Lys Asn Ile His Ile Ala Leu
 1 5 10 15

Ala Thr Leu Ala Leu Asn
 20

<210> 826

<211> 23

<212> PRT

<213> Homo sapiens

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<400> 826

Val Gln Leu Ala Lys Ser Leu Gly Val Asp Ser Gln Ile Lys Lys Tyr
 1 5 10 15

Ser Ser Val Ser Glu Pro Ala
 20

<210> 827

<211> 26

<212> PRT

<213> Homo sapiens

<400> 827

Tyr Glu Gly Lys Glu Phe Asp Tyr Val Phe Ser Ile Asp Val Asn Glu
 1 5 10 15

Gly Gly Pro Ser Tyr Lys Leu Pro Tyr Asn
 20 25

<210> 828

<211> 26

<212> PRT

<213> Homo sapiens

<400> 828

Ala Tyr Asn Phe Leu Gln Lys Asn Asp Leu Asn Pro Met Phe Leu Asp
 1 5 10 15

Gln Val Ala Lys Phe Ile Ile Asp Asn Thr
 20 25

<210> 829

<211> 15

<212> PRT

<213> Homo sapiens

<400> 829

Ser Phe Ser Asp Pro Phe Thr Gly Gly Gly Arg Tyr Val Pro Gly
 1 5 10 15

<210> 830

<211> 11

<212> PRT

<213> Homo sapiens

<400> 830

Thr Ala Asp Pro Phe Thr Gly Ala Gly Arg Tyr
 1 5 10

<210> 831

<211> 19

<212> PRT

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<213> Homo sapiens

<400> 831

Thr Thr Met Ala Gly Val Asp Pro Phe Thr Gly Asn Ser Ala Tyr Arg
1 5 10 15

Ser Ala Ala

<210> 832

<211> 9

<212> PRT

<213> Homo sapiens

<400> 832

Asn Ile Tyr Phe Pro Lys Lys Glu Ala
1 5

<210> 833

<211> 19

<212> PRT

<213> Homo sapiens

<400> 833

Thr Phe Asp Gln Ala Asn Pro Thr Gln Ile Leu Gly Lys Leu Lys Glu
1 5 10 15

Leu Asn Gly

<210> 834

<211> 30

<212> PRT

<213> Homo sapiens

<400> 834

Pro Glu Asp Ile Val Phe Pro Ala Leu Asp Ile Leu Arg Leu Ser Ile
1 5 10 15

Lys His Pro Ser Val Asn Glu Asn Phe Cys Asn Glu Lys Glu
20 25 30

<210> 835

<211> 31

<212> PRT

<213> Homo sapiens

<400> 835

Gln Phe Ser Ser His Leu Ile Asn Leu Leu Asn Pro Lys Gly Lys Pro
1 5 10 15

Ala Asn Gln Leu Leu Ala Leu Arg Thr Phe Cys Asn Cys Phe Val
20 25 30

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<210> 836
 <211> 26
 <212> PRT
 <213> Homo sapiens

<400> 836
 Gln Ala Gly Gln Lys Leu Met Met Ser Gln Arg Glu Ser Leu Met Ser
 1 5 10 15
 His Ala Ile Glu Leu Lys Ser Gly Ser Asn
 20 25

<210> 837
 <211> 139
 <212> PRT
 <213> Homo sapiens

<400> 837
 Tyr Pro Asn Gln Asp Gly Asp Ile Leu Arg Asp Gln Val Leu His Glu
 1 5 10 15
 His Ile Gln Arg Leu Ser Lys Val Val Thr Ala Asn His Arg Ala Leu
 20 25 30
 Gln Ile Pro Glu Val Tyr Leu Arg Glu Ala Pro Trp Pro Ser Ala Gln
 35 40 45
 Ser Glu Ile Arg Thr Ile Ser Ala Tyr Lys Thr Pro Arg Asp Lys Val
 50 55 60
 Gln Cys Ile Leu Arg Met Cys Ser Thr Ile Met Asn Leu Leu Ser Leu
 65 70 75 80
 Ala Asn Glu Asp Ser Val Pro Gly Ala Asp Asp Phe Val Pro Val Leu
 85 90 95
 Val Phe Val Leu Ile Lys Ala Asn Pro Pro Cys Leu Leu Ser Thr Val
 100 105 110
 Gln Tyr Ile Ser Ser Phe Tyr Ala Ser Cys Leu Ser Gly Glu Glu Ser
 115 120 125
 Tyr Trp Trp Met Gln Phe Thr Ala Ala Val Glu
 130 135

<210> 838
 <211> 144
 <212> PRT
 <213> Homo sapiens

<400> 838
 Tyr Pro Asn Gln Asp Gly Asp Ile Leu Arg Asp Gln Val Leu His Glu
 1 5 10 15
 His Ile Gln Arg Leu Ser Lys Val Val Thr Ala Asn His Arg Ala Leu

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20

25

30

Gln Ile Pro Glu Val Tyr Leu Arg Glu Ala Pro Trp Pro Ser Ala Gln
 35 40 45

Ser Glu Ile Arg Thr Ile Ser Ala Tyr Lys Thr Pro Arg Asp Lys Val
 50 55 60

Gln Cys Ile Leu Arg Met Cys Ser Thr Ile Met Asn Leu Leu Ser Leu
 65 70 75 80

Ala Asn Glu Asp Ser Val Pro Gly Ala Asp Asp Phe Val Pro Val Leu
 85 90 95

Val Phe Val Leu Ile Lys Ala Asn Pro Pro Cys Leu Leu Ser Thr Val
 100 105 110

Gln Tyr Ile Ser Ser Phe Tyr Ala Ser Cys Leu Ser Gly Glu Glu Ser
 115 120 125

Tyr Trp Trp Met Gln Phe Thr Ala Ala Val Glu Phe Ile Lys Thr Ile
 130 135 140

<210> 839

<211> 14

<212> PRT

<213> Homo sapiens

<400> 839

Tyr Pro Asn Gln Asp Gly Asp Ile Leu Arg Asp Gln Val Leu
 1 5 10

<210> 840

<211> 11

<212> PRT

<213> Homo sapiens

<400> 840

Glu Ala Pro Trp Pro Ser Ala Gln Ser Glu Ile
 1 5 10

<210> 841

<211> 21

<212> PRT

<213> Homo sapiens

<400> 841

Ser Gly Glu Glu Ser Tyr Trp Trp Met Gln Phe Thr Ala Ala Val Glu
 1 5 10 15

Phe Ile Lys Thr Ile
 20

1000460-120701

<210> 842
 <211> 18
 <212> PRT
 <213> Homo sapiens

<400> 842
 Ala Asp Asp Phe Val Pro Val Leu Val Phe Val Leu Ile Lys Ala Asn
 1 5 10 15

Pro Pro

<210> 843
 <211> 12
 <212> PRT
 <213> Homo sapiens

<400> 843
 Tyr Lys Thr Pro Arg Asp Lys Val Gln Cys Ile Leu
 1 5 10

<210> 844
 <211> 15
 <212> PRT
 <213> Homo sapiens

<400> 844
 Gly Ala Asp Asp Phe Val Pro Val Leu Val Phe Val Leu Ile Lys
 1 5 10 15

<210> 845
 <211> 12
 <212> PRT
 <213> Homo sapiens

<400> 845
 Pro Val Leu Val Phe Val Leu Ile Lys Ala Asn Pro
 1 5 10

<210> 846
 <211> 17
 <212> PRT
 <213> Homo sapiens

<400> 846
 Ser Ala Arg Ala Ser Thr Gln Pro Pro Ala Gly Gln His Pro Gly Pro
 1 5 10 15

Cys

10004350-10000

<210> 847
 <211> 33
 <212> PRT
 <213> Homo sapiens

<400> 847
 Met Pro Gly Arg Trp Arg Trp Gln Arg Asp Met His Pro Ala Arg Lys
 1 5 10 15
 Leu Leu Ser Leu Leu Phe Leu Ile Leu Met Gly Thr Glu Leu Thr Gln
 20 25 30

Asp

<210> 848
 <211> 19
 <212> PRT
 <213> Homo sapiens

<400> 848
 Ser Ala Ala Pro Asp Ser Leu Leu Arg Ser Ser Lys Gly Ser Thr Arg
 1 5 10 15

Gly Ser Leu

<210> 849
 <211> 20
 <212> PRT
 <213> Homo sapiens

<400> 849
 Ala Ala Ile Val Ile Trp Arg Gly Lys Ser Glu Ser Arg Ile Ala Lys
 1 5 10 15

Thr Pro Gly Ile
 20

<210> 850
 <211> 17
 <212> PRT
 <213> Homo sapiens

<400> 850
 Pro Leu Gly Ile Thr Leu Pro Leu Gly Ala Pro Glu Thr Gly Gly Gly
 1 5 10 15

Asp

<210> 851
 <211> 20
 <212> PRT

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<213> Homo sapiens

<400> 851

Cys Ala Ala Glu Thr Trp Lys Gly Ser Gln Arg Ala Gly Gln Leu Cys
1 5 10 15

Ala Leu Leu Ala
20

<210> 852

<211> 20

<212> PRT

<213> Homo sapiens

<400> 852

Phe Arg Gly Gly Gly Thr Leu Val Leu Pro Pro Thr His Thr Pro Glu
1 5 10 15

Trp Leu Ile Leu
20

<210> 853

<211> 28

<212> PRT

<213> Homo sapiens

<400> 853

Asn Ser Ala Arg Ala Ser Thr Gln Pro Pro Ala Gly Gln His Pro Gly
1 5 10 15

Pro Cys Met Pro Gly Arg Trp Arg Trp Gln Arg Asp
20 25

<210> 854

<211> 80

<212> PRT

<213> Homo sapiens

<400> 854

Tyr Ile Val Gln Gly Thr Thr Ser Pro Phe Glu Met Pro Thr Ile Pro
1 5 10 15

Thr Pro Ala Arg His Arg Ala Pro His Ser Pro Pro Ala Gly His Val
20 25 30

Ala Thr Ala Pro Gln Ala Leu His Ile Lys Pro Ala Met His Thr Ala
35 40 45

Gly Arg His Ala Gly Cys Pro Ser Arg Ser Gln Arg His Asn Pro His
50 55 60

Arg Leu Phe Leu Glu Pro Pro Arg Ala Ala Leu Cys Pro Lys Gly Gly
65 70 75 80

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<210> 855
 <211> 97
 <212> PRT
 <213> Homo sapiens

<400> 855
 Ala Ser Asn Ala His Ser Trp Pro Ala Arg Trp Leu Pro Phe Gln Val
 1 5 10 15
 Ser Ala Ala Gln Ser Pro Pro Pro Val Ser Gly Ala Pro Lys Gly Ser
 20 25 30
 Val Met Pro Lys Gly Arg Met Ser His Ser Gly Val Cys Val Gly Gly
 35 40 45
 Arg Thr Lys Val Pro Pro Pro Leu Lys Met Pro Gly Val Leu Ala Ile
 50 55 60
 Arg Leu Ser Leu Phe Pro Leu Gln Met Thr Ile Ala Ala Lys Asp Pro
 65 70 75 80
 Leu Val Leu Pro Phe Glu Leu Leu Ser Arg Glu Ser Gly Ala Ala Glu
 85 90 95
 Ser

<210> 856
 <211> 27
 <212> PRT
 <213> Homo sapiens

<400> 856
 Gly Arg Met Ser His Ser Gly Val Cys Val Gly Gly Arg Thr Lys Val
 1 5 10 15
 Pro Pro Pro Leu Lys Met Pro Gly Val Leu Ala
 20 25

<210> 857
 <211> 13
 <212> PRT
 <213> Homo sapiens

<400> 857
 Gly His Gln Thr Ala Pro Glu Thr Pro Ser Arg Ser Asp
 1 5 10

<210> 858
 <211> 5
 <212> PRT
 <213> Homo sapiens

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<400> 858

Ser Gln Thr Asp Arg
 1 5

<210> 859

<211> 22

<212> PRT

<213> Homo sapiens

<400> 859

Asn Ile Tyr Phe Lys Glu Lys Arg Lys Arg Gly Gly Ala Lys Met Ala
 1 5 10 15

Gly Ala Ile Ile Glu Asn
 20

<210> 860

<211> 147

<212> PRT

<213> Homo sapiens

<400> 860

Val Tyr Leu Cys Ala Tyr Thr Ser Thr Ile Asn Val Thr Val Thr Thr
 1 5 10 15

Ala Asn Ala Lys Leu Ile Asn Met Cys Cys Leu Val Asp Ser Asn Thr
 20 25 30

Arg Ser Cys Val Val Ile Asp Glu Gly Ile Phe Arg Ser Ala Glu Gln
 35 40 45

Phe Leu Ile Lys Phe Arg Asn Lys Gln Ser Thr Ile Phe Pro Arg Phe
 50 55 60

Thr Trp Glu Leu His Ser Ile Gly Leu Val Phe Ser Ile Val Phe Met
 65 70 75 80

Gly Trp Cys Ile Gln Glu His Gln Ser Lys Asp Ile Gln Ile Pro His
 85 90 95

Pro Ile Asp Ala Cys Glu Lys Gly Thr Val His Leu Asp Cys Asp Ala
 100 105 110

Ala Pro Phe Pro Met Ala Phe Arg Tyr Leu Thr Asn Asp Glu Glu Asp
 115 120 125

Asp Ser His Gly Ser Ala Gly Gln Gly Asp Lys His Glu Glu Leu Glu
 130 135 140

Pro Lys Asn
 145

<210> 861

<211> 112

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<212> PRT

<213> Homo sapiens

<400> 861

Lys Met Pro Cys Arg Met Ser Pro Asn Ser Ser Ile Gln Val Gln Ser
 1 5 10 15

Asn Pro Met Glu Asn His Ser Thr Gly Ile Leu Ile Lys Val Met Glu
 20 25 30

Ile Pro Arg Ala Lys Met Thr Phe Ser Arg Ser Thr Gly Gly Arg Asp
 35 40 45

Ile Met Val Ile Leu Leu Gln Tyr His Thr Ile Met Met Lys Met Leu
 50 55 60

Gly Val Arg Lys Val Phe Met Ala Asn His Thr Leu Val Lys Pro Pro
 65 70 75 80

Phe Trp Trp Ile Pro Thr Asn Arg Ile Ser Phe Ile Ser Pro Ile Pro
 85 90 95

Thr Leu Ile Phe Phe Phe Ser Phe Thr Gly Ser Arg Met Phe Lys Arg
 100 105 110

<210> 862

<211> 74

<212> PRT

<213> Homo sapiens

<400> 862

Thr Thr Lys Ser Glu Lys Met Gln Lys Ser Pro Trp Thr Phe Pro Trp
 1 5 10 15

Leu Thr Val Met Thr His Leu Leu Ser Gly Leu Lys Trp Pro Met Lys
 20 25 30

Glu Tyr His Gly Asn Ser Asn Ala Pro Ser His Leu Pro Arg Leu Gln
 35 40 45

Ser Met Arg Ala Val Thr Met Asn Val Met Ser Phe Leu Ser Trp Lys
 50 55 60

Leu Gly Leu Trp Pro Ile Ser Phe Thr Phe
 65 70

<210> 863

<211> 31

<212> PRT

<213> Homo sapiens

<400> 863

Ile Lys Phe Arg Asn Lys Gln Ser Thr Ile Phe Pro Arg Phe Thr Trp

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1 5 10 15
 Glu Leu His Ser Ile Gly Leu Val Phe Ser Ile Val Phe Met Gly
 20 25 30

<210> 864
 <211> 29
 <212> PRT
 <213> Homo sapiens

<400> 864
 Ser Ser Ile Gln Val Gln Ser Asn Pro Met Glu Asn His Ser Thr Gly
 1 5 10 15

Ile Leu Ile Lys Val Met Glu Ile Pro Arg Ala Lys Met
 20 25

<210> 865
 <211> 33
 <212> PRT
 <213> Homo sapiens

<400> 865
 Leu Gly Val Arg Lys Val Phe Met Ala Asn His Thr Leu Val Lys Pro
 1 5 10 15

Pro Phe Trp Trp Ile Pro Thr Asn Arg Ile Ser Phe Ile Ser Pro Ile
 20 25 30

Pro

<210> 866
 <211> 9
 <212> PRT
 <213> Homo sapiens

<400> 866
 Thr Met Ala Ser Met Gly Leu Gln Val
 1 5

<210> 867
 <211> 167
 <212> PRT
 <213> Homo sapiens

<400> 867
 Lys Ser Trp Met Met Leu Trp Ala Val Gln Asp Thr Gly Thr Ile Thr
 1 5 10 15

Ile Arg Pro Ala Asn Arg Asn Thr Thr Pro Ala Thr Ile Met Val Leu
 20 25 30

Ala Leu Ala Leu Ser Ser Ser Arg Gln Leu Val His Leu Pro Pro Thr

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35

40

45

Thr Asp Ser Ser Thr Pro Arg Ala Ala Thr Met Met Leu Met Met Thr
50 55 60

Arg Ala Arg Ala Ala Cys Arg Ser Cys Gly Ser Ala Ser Ser Glu Ser
65 70 75 80

Tyr Thr Leu His Cys Ile Trp Pro Val Leu Cys Thr Thr Gln Phe Ile
85 90 95

His Arg Pro Ser Gln Met Val Cys Glu Val Thr Met Leu Leu Pro Met
100 105 110

Lys Ala Val Thr Arg His Met Gly Ser Ala Gln His Ser Met Thr Ala
115 120 125

Ser Gln Pro Arg Thr Ala Ser Ala Met Pro Ile Thr Cys Ser Pro Met
130 135 140

Glu Ala Ile Val Gln Arg Pro Arg Glu Leu Arg Thr Trp Lys Ala Glu
145 150 155 160

Gly Ile Arg Leu Trp Gly Pro
165

<210> 868

<211> 28

<212> PRT

<213> Homo sapiens

<400> 868

Leu Gln Val Met Gly Ile Ala Leu Ala Val Leu Gly Trp Leu Ala Val
1 5 10 15

Met Leu Cys Cys Ala Leu Pro Met Trp Arg Val Thr
20 25

<210> 869

<211> 22

<212> PRT

<213> Homo sapiens

<400> 869

Ser Asn Ile Val Thr Ser Gln Thr Ile Trp Glu Gly Leu Trp Met Asn
1 5 10 15

Cys Val Val Gln Ser Thr
20

<210> 870

<211> 18

<212> PRT

<213> Homo sapiens

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<400> 870

Gln Met Gln Cys Lys Val Tyr Asp Ser Leu Leu Ala Leu Pro Gln Asp
 1 5 10 15

Leu Gln

<210> 871

<211> 18

<212> PRT

<213> Homo sapiens

<400> 871

Lys Cys Thr Asn Cys Leu Glu Asp Glu Ser Ala Lys Ala Lys Thr Met
 1 5 10 15

Ile Val

<210> 872

<211> 32

<212> PRT

<213> Homo sapiens

<400> 872

Gly Val Val Phe Leu Leu Ala Gly Leu Met Val Ile Val Pro Val Ser
 1 5 10 15

Trp Thr Ala His Asn Ile Ile Gln Asp Phe Tyr Asn Pro Leu Val Ala
 20 25 30

<210> 873

<211> 12

<212> PRT

<213> Homo sapiens

<400> 873

Cys Cys Asn Cys Pro Pro Arg Thr Asp Lys Pro Tyr
 1 5 10

<210> 874

<211> 14

<212> PRT

<213> Homo sapiens

<400> 874

Pro Phe Thr Ala Ile Ala Gly Ser Glu Ile Phe Ser Leu Glu
 1 5 10

<210> 875

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<211> 11
 <212> PRT
 <213> Homo sapiens

<400> 875
 Ser Lys Thr Glu Ala Leu Thr Gln Ala Phe Arg
 1 5 10

<210> 876
 <211> 24
 <212> PRT
 <213> Homo sapiens

<400> 876
 Val Val His Thr Val Ser Leu His Glu Ile Asp Val Ile Asn Ser Arg
 1 5 10 15

Thr Gln Gly Phe Leu Ala Leu Phe
 20

<210> 877
 <211> 15
 <212> PRT
 <213> Homo sapiens

<400> 877
 Pro Gly Val Leu Phe Ile Asp Glu Val His Met Leu Asp Ile Glu
 1 5 10 15

<210> 878
 <211> 280
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (197)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 878
 Ala Gly Ile Arg Gln Arg Phe Ser Ala Arg Leu Trp Gln Leu Val Ser
 1 5 10 15

Ile Met Ala Thr Val Thr Ala Thr Thr Lys Val Pro Glu Ile Arg Asp
 20 25 30

Val Thr Arg Ile Glu Arg Ile Gly Ala His Ser His Ile Arg Gly Leu
 35 40 45

Gly Leu Asp Asp Ala Leu Glu Pro Arg Gln Ala Ser Gln Gly Met Val
 50 55 60

Gly Gln Leu Ala Ala Arg Arg Ala Ala Gly Val Val Leu Glu Met Ile
 65 70 75 80

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Arg Glu Gly Lys Ile Ala Gly Arg Ala Val Leu Ile Ala Gly Gln Pro
 85 90 95
 Gly Thr Gly Lys Thr Ala Ile Ala Met Gly Met Ala Gln Ala Leu Gly
 100 105 110
 Pro Asp Thr Pro Phe Thr Ala Ile Ala Gly Ser Glu Ile Phe Ser Leu
 115 120 125
 Glu Met Ser Lys Thr Glu Ala Leu Thr Gln Ala Phe Arg Arg Ser Ile
 130 135 140
 Gly Val Arg Ile Lys Glu Glu Thr Glu Ile Ile Glu Gly Glu Val Val
 145 150 155 160
 Glu Ile Gln Ile Asp Arg Pro Ala Thr Gly Thr Gly Ser Lys Val Gly
 165 170 175
 Lys Leu Thr Leu Lys Thr Thr Glu Met Glu Thr Ile Tyr Asp Leu Gly
 180 185 190
 Thr Lys Met Ile Xaa Ser Leu Thr Lys Asp Lys Val Gln Ala Gly Asp
 195 200 205
 Val Ile Thr Ile Asp Lys Ala Thr Gly Lys Ile Ser Lys Leu Gly Arg
 210 215 220
 Ser Phe Thr Arg Ala Arg Glu Leu Arg Arg Tyr Gly Leu Pro Asp Gln
 225 230 235 240
 Val Arg Ala Val Pro Arg Trp Gly Ala Pro Glu Thr Gln Gly Gly Gly
 245 250 255
 Ala His Arg Val Pro Ala Arg Asp Arg Arg His Gln Leu Ser His Pro
 260 265 270
 Gly Leu Pro Gly Ala Leu Leu Arg
 275 280

<210> 879

<211> 179

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (178)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 879

Ser Pro Ser Thr Arg Arg Arg Ala Arg Ser Pro Ser Trp Ala Ala Pro
 1 5 10 15

Ser His Ala Pro Ala Asn Tyr Asp Ala Met Gly Ser Gln Thr Lys Phe
 20 25 30

Val Gln Cys Pro Asp Gly Glu Leu Gln Lys Arg Lys Glu Val Val His

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35 40 45
 Thr Val Ser Leu His Glu Ile Asp Val Ile Asn Ser Arg Thr Gln Gly
 50 55 60
 Phe Leu Ala Leu Phe Ser Gly Asp Thr Gly Glu Ile Lys Ser Glu Val
 65 70 75 80
 Arg Glu Gln Ile Asn Ala Lys Val Ala Glu Trp Arg Glu Glu Gly Lys
 85 90 95
 Ala Glu Ile Ile Pro Gly Val Leu Phe Ile Asp Glu Val His Met Leu
 100 105 110
 Asp Ile Glu Ser Phe Ser Phe Leu Asn Arg Ala Leu Glu Ser Asp Met
 115 120 125
 Ala Pro Val Gln Gln Val Tyr Gly Asp Ala Val Arg Ala Leu Val Ala
 130 135 140
 Gly Ala Pro Asp Ser Arg Asp Ala Thr Val Gly Gly Leu Val Pro Asn
 145 150 155 160
 Ser Cys Ser Pro Gly Asp Pro Leu Val Leu Glu Arg Pro Pro Pro Arg
 165 170 175
 Trp Xaa Ser

<210> 880
 <211> 89
 <212> PRT
 <213> Homo sapiens

<400> 880
 Trp Ile Pro Arg Ala Ala Gly Ile Arg His Glu Ala Thr Asn Arg Gly
 1 5 10 15
 Ile Thr Arg Ile Arg Gly Thr Ser Tyr Gln Ser Pro His Gly Ile Pro
 20 25 30
 Ile Asp Leu Leu Asp Arg Arg His Val Thr Leu Gln Gly Pro Val Glu
 35 40 45
 Glu Gly Glu Ala Leu Asp Val Gln His Val Asp Leu Val Asp Glu Gln
 50 55 60
 His Ser Arg Asp Asp Leu Arg Leu Ala Leu Leu Ala Pro Leu Ser His
 65 70 75 80
 Leu Gly Ile Asp Leu Leu Thr Asp Phe
 85

<210> 881
 <211> 30
 <212> PRT

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<213> Homo sapiens

<400> 881

Tyr Asp Ala Met Gly Ser Gln Thr Lys Phe Val Gln Cys Pro Asp Gly
1 5 10 15

Glu Leu Gln Lys Arg Lys Glu Val Val His Thr Val Ser Leu
20 25 30

<210> 882

<211> 31

<212> PRT

<213> Homo sapiens

<400> 882

Lys Ala Glu Ile Ile Pro Gly Val Leu Phe Ile Asp Glu Val His Met
1 5 10 15

Leu Asp Ile Glu Ser Phe Ser Phe Leu Asn Arg Ala Leu Glu Ser
20 25 30

<210> 883

<211> 28

<212> PRT

<213> Homo sapiens

<400> 883

Glu Ala Thr Asn Arg Gly Ile Thr Arg Ile Arg Gly Thr Ser Tyr Gln
1 5 10 15

Ser Pro His Gly Ile Pro Ile Asp Leu Leu Asp Arg
20 25

<210> 884

<211> 22

<212> PRT

<213> Homo sapiens

<400> 884

Met Arg Ser Ala Arg Pro Ser Leu Gly Cys Leu Pro Ser Trp Ala Phe
1 5 10 15

Ser Gln Ala Leu Asn Ile
20

<210> 885

<211> 22

<212> PRT

<213> Homo sapiens

<400> 885

Leu Leu Gly Leu Lys Gly Leu Ala Pro Ala Glu Ile Ser Ala Val Cys
1 5 10 15

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Glu Lys Gly Asn Phe Asn
20

<210> 886
<211> 26
<212> PRT
<213> Homo sapiens

<400> 886
Val Ala His Gly Leu Ala Trp Ser Tyr Tyr Ile Gly Tyr Leu Arg Leu
1 5 10 15

Ile Leu Pro Glu Leu Gln Ala Arg Ile Arg
20 25

<210> 887
<211> 18
<212> PRT
<213> Homo sapiens

<400> 887
Thr Tyr Asn Gln His Tyr Asn Asn Leu Leu Arg Gly Ala Val Ser Gln
1 5 10 15

Arg Cys

<210> 888
<211> 43
<212> PRT
<213> Homo sapiens

<400> 888
Ile Leu Leu Pro Leu Asp Cys Gly Val Pro Asp Asn Leu Ser Met Ala
1 5 10 15

Asp Pro Asn Ile Arg Phe Leu Asp Lys Leu Pro Gln Gln Thr Gly Asp
20 25 30

Arg Ala Gly Ile Lys Asp Arg Val Tyr Ser Asn
35 40

<210> 889
<211> 45
<212> PRT
<213> Homo sapiens

<400> 889
Ser Ile Tyr Glu Leu Leu Glu Asn Gly Gln Arg Ala Gly Thr Cys Val
1 5 10 15

Leu Glu Tyr Ala Thr Pro Leu Gln Thr Leu Phe Ala Met Ser Gln Tyr
20 25 30

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Ser Gln Ala Gly Phe Ser Gly Glu Asp Arg Leu Glu Gln
 35 40 45

<210> 890

<211> 92

<212> PRT

<213> Homo sapiens

<400> 890

Ala Lys Leu Phe Cys Arg Thr Leu Glu Asp Ile Leu Ala Asp Ala Pro
 1 5 10 15

Glu Ser Gln Asn Asn Cys Arg Leu Ile Ala Tyr Gln Glu Pro Ala Asp
 20 25 30

Asp Ser Ser Phe Ser Leu Ser Gln Glu Val Leu Arg His Leu Arg Gln
 35 40 45

Glu Glu Lys Glu Glu Val Thr Val Gly Ser Leu Lys Thr Ser Ala Val
 50 55 60

Pro Ser Thr Ser Thr Met Ser Gln Glu Pro Glu Leu Leu Ile Ser Gly
 65 70 75 80

Met Glu Lys Pro Leu Pro Leu Arg Thr Asp Phe Ser
 85 90

<210> 891

<211> 43

<212> PRT

<213> Homo sapiens

<400> 891

Leu Leu Gly Leu Lys Gly Leu Ala Pro Ala Glu Ile Ser Ala Val Cys
 1 5 10 15

Glu Lys Gly Asn Phe Asn Val Ala His Gly Leu Ala Trp Ser Tyr Tyr
 20 25 30

Ile Gly Tyr Leu Arg Leu Ile Leu Pro Glu Leu
 35 40

<210> 892

<211> 76

<212> PRT

<213> Homo sapiens

<400> 892

Leu Arg Leu His Ser Glu Lys Leu Pro Leu Ala Ala Arg Ser Ala Gly
 1 5 10 15

Pro Ser Leu Leu Val Ile Ile Gln Ser Ser Gln Cys Pro Gly Gly Arg
 20 25 30

Arg Tyr Arg Gly Ser Tyr Trp Arg Thr Val Arg Ala Cys Leu Gly Cys

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35

40

45

Pro Leu Arg Arg Gly Ala Leu Leu Leu Leu Ser Ile Tyr Phe Tyr Tyr
 50 55 60

Ser Leu Pro Asn Ala Val Gly Pro Pro Phe Thr Trp
 65 70 75

<210> 893

<211> 133

<212> PRT

<213> Homo sapiens

<400> 893

Val Trp Leu Thr Pro Thr Phe Ala Ser Trp Ile Asn Cys Pro Ser Arg
 1 5 10 15

Pro Val Thr Val Leu Ala Ser Arg Ile Gly Phe Thr Ala Thr Ala Ser
 20 25 30

Met Ser Phe Trp Arg Thr Gly Ser Gly Arg Ala Pro Val Ser Trp Ser
 35 40 45

Thr Pro Pro Pro Cys Arg Leu Cys Leu Pro Cys His Asn Thr Val Lys
 50 55 60

Leu Ala Leu Ala Gly Arg Ile Gly Leu Ser Arg Pro Asn Ser Ser Ala
 65 70 75 80

Gly His Leu Arg Thr Ser Trp Gln Met Pro Leu Ser Leu Arg Thr Thr
 85 90 95

Ala Ala Ser Leu Pro Thr Arg Asn Leu Gln Met Thr Ala Ala Ser Arg
 100 105 110

Cys Pro Arg Arg Phe Ser Gly Thr Cys Gly Arg Arg Lys Arg Lys Arg
 115 120 125

Leu Leu Trp Ala Ala
 130

<210> 894

<211> 87

<212> PRT

<213> Homo sapiens

<400> 894

Gly Val Cys Gln Val Ser Phe Met Gly Pro Ser Arg Pro Thr Pro His
 1 5 10 15

Pro Ser Pro Leu Pro Leu Pro Gly Asp Ala Glu Leu Ser Gln Trp Tyr
 20 25 30

Gln Gln Ala Pro Ser Pro Ser Gly Ser Trp Ser Cys Ser Ile Ile Gly
 35 40 45

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Glu Pro Gln Gln Lys Asn Gly Glu Glu Glu Glu Ala Glu Phe Gly Val
50 55 60

Leu Asn Pro Pro Ala Pro Thr Leu Gln His Gln Gly Cys Tyr Gly Leu
65 70 75 80

Ser Cys Arg Ala Thr Leu Ala
85

<210> 895
<211> 22
<212> PRT
<213> Homo sapiens

<400> 895
Thr Met Lys Leu Leu Lys Leu Arg Arg Asn Ile Val Lys Leu Ser Leu
1 5 10 15

Tyr Arg His Phe Thr Asn
20

<210> 896
<211> 22
<212> PRT
<213> Homo sapiens

<400> 896
Thr Leu Ile Leu Ala Val Ala Ala Ser Ile Val Phe Ile Ile Trp Thr
1 5 10 15

Thr Met Lys Phe Arg Ile
20

<210> 897
<211> 28
<212> PRT
<213> Homo sapiens

<400> 897
Val Thr Cys Gln Ser Asp Trp Arg Glu Leu Trp Val Asp Asp Ala Ile
1 5 10 15

Trp Arg Leu Leu Phe Ser Met Ile Leu Phe Val Ile
20 25

<210> 898
<211> 27
<212> PRT
<213> Homo sapiens

<400> 898
Met Val Leu Trp Arg Pro Ser Ala Asn Asn Gln Arg Phe Ala Phe Ser
1 5 10 15

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Pro Leu Ser Glu Glu Glu Glu Asp Glu Gln
 20 25

<210> 899
 <211> 27
 <212> PRT
 <213> Homo sapiens

<400> 899
 Met Val Leu Trp Arg Pro Ser Ala Asn Asn Gln Arg Phe Ala Phe Ser
 1 5 10 15

Pro Leu Ser Glu Glu Glu Glu Asp Glu Gln
 20 25

<210> 900
 <211> 35
 <212> PRT
 <213> Homo sapiens

<400> 900
 Lys Glu Pro Met Leu Lys Glu Ser Phe Glu Gly Met Lys Met Arg Ser
 1 5 10 15

Thr Lys Gln Glu Pro Asn Gly Asn Ser Lys Val Asn Lys Ala Gln Glu
 20 25 30

Asp Asp Leu
 35

<210> 901
 <211> 37
 <212> PRT
 <213> Homo sapiens

<400> 901
 Lys Trp Val Glu Glu Asn Val Pro Ser Ser Val Thr Asp Val Ala Leu
 1 5 10 15

Pro Ala Leu Leu Asp Ser Asp Glu Glu Arg Met Ile Thr His Phe Glu
 20 25 30

Arg Ser Lys Met Glu
 35

<210> 902
 <211> 20
 <212> PRT
 <213> Homo sapiens

<400> 902
 Asp Pro Arg Val Arg Leu Asn Ser Leu Thr Cys Lys His Ile Phe Ile
 1 5 10 15

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Ser Leu Thr Gln
20

<210> 903
<211> 11
<212> PRT
<213> Homo sapiens

<400> 903
Asn Ala Phe Gly Arg His Ser Thr Ala Val Lys
1 5 10

<210> 904
<211> 283
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (16)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (27)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (65)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 904
Glu Ser Cys Leu Leu Cys Gly Ile Ser Glu Tyr Pro Ile Gln Arg Xaa
1 5 10 15

Ile Cys Pro Gly Cys Phe Asp Pro Cys Arg Xaa Ala Phe Ser Ser Glu
20 25 30

Thr Leu Thr Gly Ser Asn Pro Gly His His Ser Gln Ser Gly Ile Trp
35 40 45

His Arg Gln Ala Thr Pro Gly Val Thr Leu His Lys Val Val Val Ala
50 55 60

Xaa Ala Leu Tyr Leu Leu Phe Ser Gly Met Glu Gly Val Leu Arg Val
65 70 75 80

Thr Gly Ala Gln Thr Asp Leu Ala Ser Leu Ala Phe Ile Pro Leu Ala
85 90 95

Phe Leu Asp Thr Ala Leu Cys Trp Trp Ile Phe Ile Ser Leu Thr Gln
100 105 110

Thr Met Lys Leu Leu Lys Leu Arg Arg Asn Ile Val Lys Leu Ser Leu
115 120 125

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Tyr Arg His Phe Thr Asn Thr Leu Ile Leu Ala Val Ala Ala Ser Ile
130 135 140

Val Phe Ile Ile Trp Thr Thr Met Lys Phe Arg Ile Val Thr Cys Gln
145 150 155 160

Ser Asp Trp Arg Glu Leu Trp Val Asp Asp Ala Ile Trp Arg Leu Leu
165 170 175

Phe Ser Met Ile Leu Phe Val Ile Met Val Leu Trp Arg Pro Ser Ala
180 185 190

Asn Asn Gln Arg Phe Ala Phe Ser Pro Leu Ser Glu Glu Glu Glu
195 200 205

Asp Glu Gln Lys Glu Pro Met Leu Lys Glu Ser Phe Glu Gly Met Lys
210 215 220

Met Arg Ser Thr Lys Gln Glu Pro Asn Gly Asn Ser Lys Val Asn Lys
225 230 235 240

Ala Gln Glu Asp Asp Leu Lys Trp Val Glu Glu Asn Val Pro Ser Ser
245 250 255

Val Thr Asp Val Ala Leu Pro Ala Leu Leu Asp Ser Asp Glu Glu Arg
260 265 270

Met Ile Thr His Phe Glu Arg Ser Lys Met Glu
275 280

<210> 905

<211> 13

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (7)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 905

Tyr Glu Pro Met Asp Phe Xaa Met Ala Leu Ile Tyr Asp
1 5 10

<210> 906

<211> 16

<212> PRT

<213> Homo sapiens

<400> 906

Ile Arg His Glu Leu Thr Val Leu Arg Asp Thr Arg Pro Ala Cys Ala
1 5 10 15

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<210> 907
 <211> 10
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (4)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 907
 Met Asp Phe Xaa Met Ala Leu Ile Tyr Asp
 1 5 10

<210> 908
 <211> 24
 <212> PRT
 <213> Homo sapiens

<400> 908
 Met Gln Glu Met Met Arg Asn Gln Asp Arg Ala Leu Ser Asn Leu Glu
 1 5 10 15

Ser Ile Pro Gly Gly Tyr Asn Ala
 20

<210> 909
 <211> 25
 <212> PRT
 <213> Homo sapiens

<400> 909
 Leu Arg Arg Met Tyr Thr Asp Ile Gln Glu Pro Met Leu Ser Ala Ala
 1 5 10 15

Gln Glu Gln Phe Gly Gly Asn Pro Phe
 20 25

<210> 910
 <211> 32
 <212> PRT
 <213> Homo sapiens

<400> 910
 Ala Ser Leu Val Ser Asn Thr Ser Ser Gly Glu Gly Ser Gln Pro Ser
 1 5 10 15

Arg Thr Glu Asn Arg Asp Pro Leu Pro Asn Pro Trp Ala Pro Gln Thr
 20 25 30

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<210> 911
 <211> 71
 <212> PRT
 <213> Homo sapiens

<400> 911
 Ser Gln Ser Ser Ser Ala Ser Ser Gly Thr Ala Ser Thr Val Gly Gly
 1 5 10 15
 Thr Thr Gly Ser Thr Ala Ser Gly Thr Ser Gly Gln Ser Thr Thr Ala
 20 25 30
 Pro Asn Leu Val Pro Gly Val Gly Ala Ser Met Phe Asn Thr Pro Gly
 35 40 45
 Met Gln Ser Leu Leu Gln Gln Ile Thr Glu Asn Pro Gln Leu Met Gln
 50 55 60
 Asn Met Leu Ser Ala Pro Tyr
 65 70

<210> 912
 <211> 45
 <212> PRT
 <213> Homo sapiens

<400> 912
 Met Arg Ser Met Met Gln Ser Leu Ser Gln Asn Pro Asp Leu Ala Ala
 1 5 10 15
 Gln Met Met Leu Asn Asn Pro Leu Phe Ala Gly Asn Pro Gln Leu Gln
 20 25 30
 Glu Gln Met Arg Gln Gln Leu Pro Thr Phe Leu Gln Gln
 35 40 45

<210> 913
 <211> 73
 <212> PRT
 <213> Homo sapiens

<400> 913
 Met Gln Asn Pro Asp Thr Leu Ser Ala Met Ser Asn Pro Arg Ala Met
 1 5 10 15
 Gln Ala Leu Leu Gln Ile Gln Gln Gly Leu Gln Thr Leu Ala Thr Glu
 20 25 30
 Ala Pro Gly Leu Ile Pro Gly Phe Thr Pro Gly Leu Gly Ala Leu Gly
 35 40 45
 Ser Thr Gly Gly Ser Ser Gly Thr Asn Gly Ser Asn Ala Thr Pro Ser
 50 55 60
 Glu Asn Thr Ser Pro Thr Ala Gly Thr

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65

70

<210> 914

<211> 72

<212> PRT

<213> Homo sapiens

<400> 914

Thr Glu Pro Gly His Gln Gln Phe Ile Gln Gln Met Leu Gln Ala Leu
 1 5 10 15

Ala Gly Val Asn Pro Gln Leu Gln Asn Pro Glu Val Arg Phe Gln Gln
 20 25 30

Gln Leu Glu Gln Leu Ser Ala Met Gly Phe Leu Asn Arg Glu Ala Asn
 35 40 45

Leu Gln Ala Leu Ile Ala Thr Gly Gly Asp Ile Asn Ala Ala Ile Glu
 50 55 60

Arg Leu Leu Gly Ser Gln Pro Ser
 65 70

<210> 915

<211> 45

<212> PRT

<213> Homo sapiens

<400> 915

Arg Asn Pro Ala Met Met Gln Glu Met Met Arg Asn Gln Asp Arg Ala
 1 5 10 15

Leu Ser Asn Leu Glu Ser Ile Pro Gly Gly Tyr Asn Ala Leu Arg Arg
 20 25 30

Met Tyr Thr Asp Ile Gln Glu Pro Met Leu Ser Ala Ala
 35 40 45

<210> 916

<211> 13

<212> PRT

<213> Homo sapiens

<400> 916

Gly Asn Pro Phe Ala Ser Leu Val Ser Asn Thr Ser Ser
 1 5 10

<210> 917

<211> 11

<212> PRT

<213> Homo sapiens

<400> 917

Glu Asn Arg Asp Pro Leu Pro Asn Pro Trp Ala

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1

5

10

<210> 918

<211> 17

<212> PRT

<213> Homo sapiens

<400> 918

Gly Lys Ile Leu Lys Asp Gln Asp Thr Leu Ser Gln His Gly Ile His

1

5

10

15

Asp

<210> 919

<211> 14

<212> PRT

<213> Homo sapiens

<400> 919

Gly Leu Thr Val His Leu Val Ile Lys Thr Gln Asn Arg Pro

1

5

10

<210> 920

<211> 18

<212> PRT

<213> Homo sapiens

<400> 920

Ser Glu Leu Gln Ser Gln Met Gln Arg Gln Leu Leu Ser Asn Pro Glu

1

5

10

15

Met Met

<210> 921

<211> 14

<212> PRT

<213> Homo sapiens

<400> 921

Pro Glu Ile Ser His Met Leu Asn Asn Pro Asp Ile Met Arg

1

5

10

<210> 922

<211> 18

<212> PRT

<213> Homo sapiens

<400> 922

Arg Gln Leu Ile Met Ala Asn Pro Gln Met Gln Gln Leu Ile Gln Arg

1

5

10

15

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Asn Pro

<210> 923
 <211> 27
 <212> PRT
 <213> Homo sapiens

<400> 923
 Asn Leu Cys His Val Asp Cys Gln Asp Leu Leu Asn Pro Asn Leu Leu
 1 5 10 15

Ala Gly Ile His Cys Ala Lys Arg Ile Val Ser
 20 25

<210> 924
 <211> 23
 <212> PRT
 <213> Homo sapiens

<400> 924
 Leu Asp Gly Phe Glu Gly Tyr Ser Leu Ser Asp Trp Leu Cys Leu Ala
 1 5 10 15

Phe Val Glu Ser Lys Phe Asn
 20

<210> 925
 <211> 22
 <212> PRT
 <213> Homo sapiens

<400> 925
 Asn Glu Asn Ala Asp Gly Ser Phe Asp Tyr Gly Leu Phe Gln Ile Asn
 1 5 10 15

Ser His Tyr Trp Cys Asn
 20

<210> 926
 <211> 27
 <212> PRT
 <213> Homo sapiens

<400> 926
 Asn Leu Cys His Val Asp Cys Gln Asp Leu Leu Asn Pro Asn Leu Leu
 1 5 10 15

Ala Gly Ile His Cys Ala Lys Arg Ile Val Ser
 20 25

<210> 927
 <211> 13

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<212> PRT
 <213> Homo sapiens

<400> 927
 Glu Pro Ser Ala Leu Ser Cys Thr Ser Ser Pro Pro Arg
 1 5 10

<210> 928
 <211> 13
 <212> PRT
 <213> Homo sapiens

<400> 928
 Ile Arg Glu Val Asn Glu Val Ile Gln Asn Pro Ala Thr
 1 5 10

<210> 929
 <211> 30
 <212> PRT
 <213> Homo sapiens

<400> 929
 Ile Thr Arg Ile Leu Leu Ser His Phe Asn Trp Asp Lys Glu Lys Leu
 1 5 10 15

Met Glu Arg Tyr Phe Asp Gly Asn Leu Glu Lys Leu Phe Ala
 20 25 30

<210> 930
 <211> 23
 <212> PRT
 <213> Homo sapiens

<400> 930
 Asn Thr Arg Ser Ser Ala Gln Asp Met Pro Cys Gln Ile Cys Tyr Leu
 1 5 10 15

Asn Tyr Pro Asn Ser Tyr Phe
 20

<210> 931
 <211> 60
 <212> PRT
 <213> Homo sapiens

<400> 931
 Cys Asp Ile Leu Val Asp Asp Asn Thr Val Met Arg Leu Ile Thr Asp
 1 5 10 15

Ser Lys Val Lys Leu Lys Tyr Gln His Leu Ile Thr Asn Ser Phe Val
 20 25 30

Glu Cys Asn Arg Leu Leu Lys Trp Cys Pro Ala Pro Asp Cys His His
 35 40 45

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Val Val Lys Val Gln Tyr Pro Asp Ala Lys Pro Val
50 55 60

<210> 932
<211> 52
<212> PRT
<213> Homo sapiens

<400> 932
Cys Asp Ile Leu Val Asp Asp Asn Thr Val Met Arg Leu Ile Thr Asp
1 5 10 15

Ser Lys Val Lys Leu Lys Tyr Gln His Leu Ile Thr Asn Ser Phe Val
20 25 30

Glu Cys Asn Arg Leu Leu Lys Trp Cys Pro Ala Pro Asp Cys His His
35 40 45

Val Val Lys Val
50

<210> 933
<211> 60
<212> PRT
<213> Homo sapiens

<400> 933
Gly Cys Asn His Met Val Cys Arg Asn Gln Asn Cys Lys Ala Glu Phe
1 5 10 15

Cys Trp Val Cys Leu Gly Pro Trp Glu Pro His Gly Ser Ala Trp Tyr
20 25 30

Asn Cys Asn Arg Tyr Asn Glu Asp Asp Ala Lys Ala Ala Arg Asp Ala
35 40 45

Gln Glu Arg Ser Arg Ala Ala Leu Gln Arg Tyr Leu
50 55 60

<210> 934
<211> 60
<212> PRT
<213> Homo sapiens

<400> 934
Phe Tyr Cys Asn Arg Tyr Met Asn His Met Gln Ser Leu Arg Phe Glu
1 5 10 15

His Lys Leu Tyr Ala Gln Val Lys Gln Lys Met Glu Glu Met Gln Gln
20 25 30

His Asn Met Ser Trp Ile Glu Val Gln Phe Leu Lys Lys Ala Val Asp
35 40 45

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Val Leu Cys Gln Cys Arg Ala Thr Leu Met Tyr Thr
 50 55 60

<210> 935
 <211> 60
 <212> PRT
 <213> Homo sapiens

<400> 935
 Tyr Val Phe Ala Phe Tyr Leu Lys Lys Asn Asn Gln Ser Ile Ile Phe
 1 5 10 15

Glu Asn Asn Gln Ala Asp Leu Glu Asn Ala Thr Glu Val Leu Ser Gly
 20 25 30

Tyr Leu Glu Arg Asp Ile Ser Gln Asp Ser Leu Gln Asp Ile Lys Gln
 35 40 45

Lys Val Gln Asp Lys Tyr Arg Tyr Cys Glu Ser Arg
 50 55 60

<210> 936
 <211> 37
 <212> PRT
 <213> Homo sapiens

<400> 936
 Thr Gly Leu Glu Cys Gly His Lys Phe Cys Met Gln Cys Trp Ser Glu
 1 5 10 15

Tyr Leu Thr Thr Lys Ile Met Glu Glu Gly Met Gly Gln Thr Ile Ser
 20 25 30

Cys Pro Ala His Gly
 35

<210> 937
 <211> 21
 <212> PRT
 <213> Homo sapiens

<400> 937
 Met Trp Gly Tyr Leu Phe Val Asp Ala Ala Trp Asn Phe Leu Gly Cys
 1 5 10 15

Leu Ile Cys Gly Trp
 20

<210> 938
 <211> 46
 <212> PRT
 <213> Homo sapiens

<220>

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<221> SITE

<222> (21)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 938

Met His Phe Ile Ser Ser Gly Asn Val Ser Ala Ile Arg Ser Ser Ile
1 5 10 15

Leu Leu Leu Arg Xaa Ser Leu Ser Tyr Leu Gly Asn Cys Leu Arg Val
20 25 30

Ser Ala Ile Phe Val Tyr Phe Leu Leu Phe Leu Leu Leu Ser
35 40 45

<210> 939

<211> 80

<212> PRT

<213> Homo sapiens

<400> 939

Met Asp Gln Ala Leu Arg Gly Ser Pro Ser Glu Gly Phe Ser Thr Asp
1 5 10 15

Pro Ser Pro Pro Gln Val Gly Arg Gln Ile Pro Ser Phe Pro Pro Trp
20 25 30

Arg Arg Leu Val Leu Pro Lys Ala Ser Gly Cys Phe Leu Glu Arg Glu
35 40 45

Trp Trp Leu Cys Val Phe Lys Leu Arg Thr Arg Pro Gly Ala Glu Ala
50 55 60

His Ala Tyr Asn Ser Ser Ile Leu Gly Gly Arg Gly Lys Gly Ile Thr
65 70 75 80

<210> 940

<211> 131

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (124)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 940

Met Leu Pro Ala Leu Ala Ser Cys Cys His Phe Ser Pro Pro Glu Gln
1 5 10 15

Ala Ala Arg Leu Lys Lys Leu Gln Glu Gln Glu Lys Gln Gln Lys Val
20 25 30

Glu Phe Arg Lys Arg Met Glu Lys Glu Val Ser Asp Phe Ile Gln Asp

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35

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45

Ser Gly Gln Ile Lys Lys Lys Phe Gln Pro Met Asn Lys Ile Glu Arg
50 55 60

Ser Ile Leu His Asp Val Val Glu Val Ala Gly Leu Thr Ser Phe Ser
65 70 75 80

Phe Gly Glu Asp Asp Asp Cys Arg Tyr Val Met Ile Phe Lys Lys Glu
85 90 95

Phe Ala Pro Ser Asp Glu Glu Leu Asp Ser Tyr Arg Arg Gly Glu Glu
100 105 110

Trp Asp Pro Gln Lys Ala Glu Glu Lys Arg Asn Xaa Lys Glu Leu Ala
115 120 125

Gln Arg Gln
130

<210> 941

<211> 76

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (47)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 941

Glu Glu Glu Ala Ala Gln Gln Gly Pro Val Val Val Ser Pro Ala Ser
1 5 10 15

Asp Tyr Lys Asp Lys Tyr Ser His Leu Ile Gly Lys Gly Ala Ala Lys
20 25 30

Asp Ala Ala His Met Leu Gln Ala Asn Lys Thr Tyr Gly Cys Xaa Pro
35 40 45

Val Ala Asn Lys Arg Asp Thr Arg Ser Ile Glu Glu Ala Met Asn Glu
50 55 60

Ile Arg Ala Lys Lys Arg Leu Arg Gln Ser Gly Glu
65 70 75

<210> 942

<211> 40

<212> PRT

<213> Homo sapiens

<400> 942

Pro Pro Arg Arg Pro Ala Gln Leu Pro Leu Thr Pro Gly Ala Gly Gln
1 5 10 15

Gly Ala Gly Arg Asp Lys Ala Ala Ala Ile Arg Ala His Pro Gly Ala

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20

25

30

Pro Pro Leu Asn His Leu Leu Pro
35 40

<210> 943
<211> 28
<212> PRT
<213> Homo sapiens

<400> 943
Ala Val Pro Gln Ala Gly Gly Lys Gln Val Phe Asp Leu Ser Pro Leu
1 5 10 15

Glu Leu Gly Tyr Val Arg Gly Met Cys Val Cys Val
20 25

<210> 944
<211> 207
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (124)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (178)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 944
Met Leu Pro Ala Leu Ala Ser Cys Cys His Phe Ser Pro Pro Glu Gln
1 5 10 15

Ala Ala Arg Leu Lys Lys Leu Gln Glu Gln Glu Lys Gln Gln Lys Val
20 25 30

Glu Phe Arg Lys Arg Met Glu Lys Glu Val Ser Asp Phe Ile Gln Asp
35 40 45

Ser Gly Gln Ile Lys Lys Lys Phe Gln Pro Met Asn Lys Ile Glu Arg
50 55 60

Ser Ile Leu His Asp Val Val Glu Val Ala Gly Leu Thr Ser Phe Ser
65 70 75 80

Phe Gly Glu Asp Asp Asp Cys Arg Tyr Val Met Ile Phe Lys Lys Glu
85 90 95

Phe Ala Pro Ser Asp Glu Glu Leu Asp Ser Tyr Arg Arg Gly Glu Glu
100 105 110

Trp Asp Pro Gln Lys Ala Glu Glu Lys Arg Asn Xaa Lys Glu Leu Ala
115 120 125

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Gln Arg Gln Glu Glu Glu Ala Ala Gln Gln Gly Pro Val Val Val Ser
130 135 140

Pro Ala Ser Asp Tyr Lys Asp Lys Tyr Ser His Leu Ile Gly Lys Gly
145 150 155 160

Ala Ala Lys Asp Ala Ala His Met Leu Gln Ala Asn Lys Thr Tyr Gly
165 170 175

Cys Xaa Pro Val Ala Asn Lys Arg Asp Thr Arg Ser Ile Glu Glu Ala
180 185 190

Met Asn Glu Ile Arg Ala Lys Lys Arg Leu Arg Gln Ser Gly Glu
195 200 205

<210> 945

<211> 34

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (10)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 945

Leu Leu Cys Pro Val Leu Asn Ser Gly Xaa Ser Trp Asn Phe Pro His
1 5 10 15

Pro Ser Gln Pro Glu Tyr Ser Phe His Gly Phe His Ser Thr Arg Leu
20 25 30

Trp Ile

<210> 946

<211> 28

<212> PRT

<213> Homo sapiens

<400> 946

Pro Ser Thr Pro Trp Phe Leu Phe Leu Leu Gly Leu Thr Cys Pro Phe
1 5 10 15

Ser Thr Ser His Pro Arg Trp Asp Ser Ile Pro Pro
20 25

<210> 947

<211> 227

<212> PRT

<213> Homo sapiens

<400> 947

Glu Leu Ser Ile Ser Ile Ser Asn Val Ala Leu Ala Asp Glu Gly Glu

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Val Thr Val Leu Gly Ile Pro Gln Lys Pro Ile Ile Thr Gly Tyr Lys

35

40

45

Ser Ser Leu Arg Glu Lys Asp Thr Ala Thr Leu Asn Cys Gln Ser Ser
 50 55 60

<210> 949

<211> 65

<212> PRT

<213> Homo sapiens

<400> 949

Cys Gln Ser Ser Gly Ser Lys Pro Ala Ala Arg Leu Thr Trp Arg Lys
 1 5 10 15

Gly Asp Gln Glu Leu His Gly Glu Pro Thr Arg Ile Gln Glu Asp Pro
 20 25 30

Asn Gly Lys Thr Phe Thr Val Ser Ser Ser Val Thr Phe Gln Val Thr
 35 40 45

Arg Glu Asp Asp Gly Ala Ser Ile Val Cys Ser Val Asn His Glu Ser
 50 55 60

Leu
 65

<210> 950

<211> 58

<212> PRT

<213> Homo sapiens

<400> 950

His Glu Ser Leu Lys Gly Ala Asp Arg Ser Thr Ser Gln Arg Ile Glu
 1 5 10 15

Val Leu Tyr Thr Pro Thr Ala Met Ile Arg Pro Asp Pro Pro His Pro
 20 25 30

Arg Glu Gly Gln Lys Leu Leu Leu His Cys Glu Gly Arg Gly Asn Pro
 35 40 45

Val Pro Gln Gln Tyr Leu Trp Glu Lys Glu
 50 55

<210> 951

<211> 52

<212> PRT

<213> Homo sapiens

<400> 951

Trp Glu Lys Glu Gly Ser Val Pro Pro Leu Lys Met Thr Gln Glu Ser
 1 5 10 15

1000450 12070

Ala Leu Ile Phe Pro Phe Leu Asn Lys Ser Asp Ser Gly Thr Tyr Gly
20 25 30

Cys Thr Ala Thr Ser Asn Met Gly Ser Tyr Lys Ala Tyr Tyr Thr Leu
35 40 45

Asn Val Asn Asp
50

<210> 952
<211> 36
<212> PRT
<213> Homo sapiens

<400> 952
Pro Ser Pro Val Pro Ser Ser Ser Ser Thr Tyr His Ala Ile Ile Gly
1 5 10 15

Gly Ile Val Ala Phe Ile Val Phe Leu Leu Leu Ile Met Leu Ile Phe
20 25 30

Leu Gly His Tyr
35

<210> 953
<211> 44
<212> PRT
<213> Homo sapiens

<400> 953
Leu Ile Arg His Lys Gly Thr Tyr Leu Thr His Glu Ala Lys Gly Ser
1 5 10 15

Asp Asp Ala Pro Asp Ala Asp Thr Ala Ile Ile Asn Ala Glu Gly Gly
20 25 30

Gln Ser Gly Gly Asp Asp Lys Lys Glu Tyr Phe Ile
35 40

<210> 954
<211> 123
<212> PRT
<213> Homo sapiens

<400> 954
Val Pro Glu Leu Pro Asp Arg Val His Gln Leu His Gln Ala Val Gln
1 5 10 15

Gly Cys Ala Leu Gly Arg Pro Gly Phe Pro Gly Gly Pro Thr His Ser
20 25 30

Gly His His Lys Ser His Pro Gly Pro Ala Gly Gly Asp Tyr Asn Arg
35 40 45

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Cys Asp Arg Pro Gly Gln Val His Leu His Asn Pro Arg Gly Thr Gly
50 55 60

Arg Arg Gly Gln Leu His Pro Thr Ala Gly Pro Gly Val His Arg Arg
65 70 75 80

Ala Cys Pro Ser Gln Gln Leu Pro His Arg Leu Gly Pro Gly Val Pro
85 90 95

Cys Pro Ser Pro Ser Leu Thr Pro Val Leu Pro Ser Trp Thr Gln Ser
100 105 110

Trp Cys Gly Leu Pro Gly Tyr Thr Ser Ser Ser
115 120

<210> 955

<211> 22

<212> PRT

<213> Homo sapiens

<400> 955

Val His Gln Leu His Gln Ala Val Gln Gly Cys Ala Leu Gly Arg Pro
1 5 10 15

Gly Phe Pro Gly Gly Pro
20

<210> 956

<211> 42

<212> PRT

<213> Homo sapiens

<400> 956

Pro Thr His Ser Gly His His Lys Ser His Pro Gly Pro Ala Gly Gly
1 5 10 15

Asp Tyr Asn Arg Cys Asp Arg Pro Gly Gln Val His Leu His Asn Pro
20 25 30

Arg Gly Thr Gly Arg Arg Gly Gln Leu His
35 40

<210> 957

<211> 55

<212> PRT

<213> Homo sapiens

<400> 957

Leu His Pro Thr Ala Gly Pro Gly Val His Arg Arg Ala Cys Pro Ser
1 5 10 15

Gln Gln Leu Pro His Arg Leu Gly Pro Gly Val Pro Cys Pro Ser Pro
20 25 30

Ser Leu Thr Pro Val Leu Pro Ser Trp Thr Gln Ser Trp Cys Gly Leu

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35

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45

Pro Gly Tyr Thr Ser Ser Ser
50 55

<210> 958

<211> 276

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (10)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 958

Ser Leu Arg Arg Pro Arg Ser Ala Ala Xaa Gln Thr Leu Thr Thr Phe
1 5 10 15

Leu Ser Ser Val Ser Ser Ala Ser Ser Ser Ala Leu Pro Gly Ser Arg
20 25 30

Glu Pro Cys Asp Pro Arg Ala Pro Pro Pro Pro Arg Ser Gly Ser Ala
35 40 45

Ala Ser Cys Cys Ser Cys Cys Cys Ser Cys Pro Arg Arg Arg Ala Pro
50 55 60

Leu Arg Ser Pro Arg Gly Ser Lys Arg Arg Ile Arg Gln Arg Glu Val
65 70 75 80

Val Asp Leu Tyr Asn Gly Met Cys Leu Gln Gly Pro Ala Gly Val Pro
85 90 95

Gly Arg Asp Gly Ser Pro Gly Ala Asn Gly Ile Pro Gly Thr Pro Gly
100 105 110

Ile Pro Gly Arg Asp Gly Phe Lys Gly Glu Lys Gly Glu Cys Leu Arg
115 120 125

Glu Ser Phe Glu Glu Ser Trp Thr Pro Asn Tyr Lys Gln Cys Ser Trp
130 135 140

Ser Ser Leu Asn Tyr Gly Ile Asp Leu Gly Lys Ile Ala Glu Cys Thr
145 150 155 160

Phe Thr Lys Met Arg Ser Asn Ser Ala Leu Arg Val Leu Phe Ser Gly
165 170 175

Ser Leu Arg Leu Lys Cys Arg Asn Ala Cys Cys Gln Arg Trp Tyr Phe
180 185 190

Thr Phe Asn Gly Ala Glu Cys Ser Gly Pro Leu Pro Ile Glu Ala Ile
195 200 205

Ile Tyr Leu Asp Gln Gly Ser Pro Glu Met Asn Ser Thr Ile Asn Ile
210 215 220

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His Arg Thr Ser Ser Val Glu Gly Leu Cys Glu Gly Ile Gly Ala Gly
225 230 235 240

Leu Val Asp Val Ala Ile Trp Val Gly Thr Cys Ser Asp Tyr Pro Lys
245 250 255

Gly Asp Ala Ser Thr Gly Trp Asn Ser Val Ser Arg Ile Ile Ile Glu
260 265 270

Glu Leu Pro Lys
275

<210> 959

<211> 61

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (10)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 959

Ser Leu Arg Arg Pro Arg Ser Ala Ala Xaa Gln Thr Leu Thr Thr Phe
1 5 10 15

Leu Ser Ser Val Ser Ser Ala Ser Ser Ser Ala Leu Pro Gly Ser Arg
20 25 30

Glu Pro Cys Asp Pro Arg Ala Pro Pro Pro Pro Arg Ser Gly Ser Ala
35 40 45

Ala Ser Cys Cys Ser Cys Cys Cys Ser Cys Pro Arg Arg
50 55 60

<210> 960

<211> 52

<212> PRT

<213> Homo sapiens

<400> 960

Arg Ala Pro Leu Arg Ser Pro Arg Gly Ser Lys Arg Arg Ile Arg Gln
1 5 10 15

Arg Glu Val Val Asp Leu Tyr Asn Gly Met Cys Leu Gln Gly Pro Ala
20 25 30

Gly Val Pro Gly Arg Asp Gly Ser Pro Gly Ala Asn Gly Ile Pro Gly
35 40 45

Thr Pro Gly Ile
50

<210> 961

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<211> 52

<212> PRT

<213> Homo sapiens

<400> 961

Thr Pro Gly Ile Pro Gly Arg Asp Gly Phe Lys Gly Glu Lys Gly Glu
 1 5 10 15

Cys Leu Arg Glu Ser Phe Glu Glu Ser Trp Thr Pro Asn Tyr Lys Gln
 20 25 30

Cys Ser Trp Ser Ser Leu Asn Tyr Gly Ile Asp Leu Gly Lys Ile Ala
 35 40 45

Glu Cys Thr Phe
 50

<210> 962

<211> 66

<212> PRT

<213> Homo sapiens

<400> 962

Phe Thr Lys Met Arg Ser Asn Ser Ala Leu Arg Val Leu Phe Ser Gly
 1 5 10 15

Ser Leu Arg Leu Lys Cys Arg Asn Ala Cys Cys Gln Arg Trp Tyr Phe
 20 25 30

Thr Phe Asn Gly Ala Glu Cys Ser Gly Pro Leu Pro Ile Glu Ala Ile
 35 40 45

Ile Tyr Leu Asp Gln Gly Ser Pro Glu Met Asn Ser Thr Ile Asn Ile
 50 55 60

His Arg
 65

<210> 963

<211> 51

<212> PRT

<213> Homo sapiens

<400> 963

Arg Thr Ser Ser Val Glu Gly Leu Cys Glu Gly Ile Gly Ala Gly Leu
 1 5 10 15

Val Asp Val Ala Ile Trp Val Gly Thr Cys Ser Asp Tyr Pro Lys Gly
 20 25 30

Asp Ala Ser Thr Gly Trp Asn Ser Val Ser Arg Ile Ile Ile Glu Glu
 35 40 45

Leu Pro Lys
 50

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<210> 964
 <211> 26
 <212> PRT
 <213> Homo sapiens

<400> 964
 Thr Lys Lys Glu Asn Cys Arg Pro Ala Ser Leu Met Asn Ile Asp Thr
 1 5 10 15
 Lys Ile Leu Asn Lys Ile Leu Met Asn Gln
 20 25

<210> 965
 <211> 214
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (25)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (26)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (90)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (94)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (105)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (120)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 965
 Met Cys Asn Leu Pro Ile Lys Val Val Cys Arg Ala Asn Ala Glu Tyr
 1 5 10 15

Met Ser Pro Ser Gly Lys Val Pro Xaa Xaa His Val Gly Asn Gln Val
 20 25 30

Val Ser Glu Leu Gly Pro Ile Val Gln Phe Val Lys Ala Lys Gly His
 35 40 45

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<210> 966
<211> 44
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (25)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (26)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 966
Met Cys Asn Leu Pro Ile Lys Val Val Cys Arg Ala Asn Ala Glu Tyr
  1               5               10              15

Met Ser Pro Ser Gly Lys Val Pro Xaa Xaa His Val Gly Asn Gln Val
      20               25              30

Val Ser Glu Leu Gly Pro Ile Val Gln Phe Val Lys

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35

40

<210> 967
 <211> 44
 <212> PRT
 <213> Homo sapiens

<400> 967
 Phe Val Lys Ala Lys Gly His Ser Leu Ser Asp Gly Leu Glu Glu Val
 1 5 10 15

Gln Lys Ala Glu Met Lys Ala Tyr Met Glu Leu Val Asn Asn Met Leu
 20 25 30

Leu Thr Ala Glu Leu Tyr Leu Gln Trp Cys Asp Glu
 35 40

<210> 968
 <211> 51
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (11)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (15)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (26)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (41)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 968
 Leu Gln Trp Cys Asp Glu Ala Thr Val Gly Xaa Ile Thr His Xaa Arg
 1 5 10 15

Tyr Gly Ser Pro Tyr Pro Trp Pro Leu Xaa His Ile Leu Ala Tyr Gln
 20 25 30

Lys Gln Trp Glu Val Lys Arg Lys Xaa Lys Ala Ile Gly Trp Gly Lys
 35 40 45

Lys Thr Leu
 50

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<210> 969
 <211> 43
 <212> PRT
 <213> Homo sapiens

<400> 969
 Asp Gln Val Leu Glu Asp Val Asp Gln Cys Cys Gln Ala Leu Ser Gln
 1 5 10 15
 Arg Leu Gly Thr Gln Pro Tyr Phe Phe Asn Lys Gln Pro Thr Glu Leu
 20 25 30
 Asp Ala Leu Val Phe Gly His Leu Tyr Thr Ile
 35 40

<210> 970
 <211> 41
 <212> PRT
 <213> Homo sapiens

<400> 970
 Leu Thr Thr Gln Leu Thr Asn Asp Glu Leu Ser Glu Lys Val Lys Asn
 1 5 10 15
 Tyr Ser Asn Leu Leu Ala Phe Cys Arg Arg Ile Glu Gln His Tyr Phe
 20 25 30
 Glu Asp Arg Gly Lys Gly Arg Leu Ser
 35 40

<210> 971
 <211> 70
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (2)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (3)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (4)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 971
 Met Xaa Xaa Xaa Asn Ser His Ile Thr Ile Phe Thr Leu Asn Val Asn
 1 5 10 15
 Gly Leu Asn Ala Pro Asn Glu Arg His Arg Leu Ala Asn Trp Ile Gln
 20 25 30

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Ser Gln Asp Gln Val Cys Cys Ile Gln Glu Thr His Leu Thr Gly Arg
 35 40 45

Asp Thr His Arg Leu Lys Ile Lys Gly Trp Arg Lys Ile Tyr Gln Ala
 50 55 60

Asn Gly Lys Gln Lys Lys
 65 70

<210> 972

<211> 28

<212> PRT

<213> Homo sapiens

<400> 972

Phe Thr Leu Asn Val Asn Gly Leu Asn Ala Pro Asn Glu Arg His Arg
 1 5 10 15

Leu Ala Asn Trp Ile Gln Ser Gln Asp Gln Val Cys
 20 25

<210> 973

<211> 17

<212> PRT

<213> Homo sapiens

<400> 973

Thr His Leu Thr Gly Arg Asp Thr His Arg Leu Lys Ile Lys Gly Trp
 1 5 10 15

Arg

<210> 974

<211> 14

<212> PRT

<213> Homo sapiens

<400> 974

Gly Trp Arg Lys Ile Tyr Gln Ala Asn Gly Lys Gln Lys Lys
 1 5 10

<210> 975

<211> 54

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (37)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 975

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Trp Asn Leu Leu Trp Tyr Phe Gln Arg Leu Arg Leu Pro Ser Ile Leu
1 5 10 15

Pro Gly Leu Val Leu Ala Ser Cys Asp Gly Pro Ser Xaa Ser Gln Ala
 20 25 30

Pro Ser Pro Trp Leu Thr Pro Asp Pro Ala Ser Val Gln Val Arg Leu
 35 40 45

Leu Trp Asp Val Leu Thr Pro Asp Pro Asn
 50 55

<210> 979

<211> 54

<212> PRT

<213> Homo sapiens

<400> 979

Gln Arg Gly Ile Tyr Arg Glu Ile Leu Phe Leu Thr Met Ala Ala Leu
 1 5 10 15

Gly Lys Asp His Val Asp Ile Val Ala Phe Asp Lys Lys Tyr Lys Ser
 20 25 30

Ala Phe Asn Lys Leu Ala Ser Ser Met Gly Lys Glu Glu Leu Arg His
 35 40 45

Arg Arg Ala Gln Met Pro
 50

<210> 980

<211> 23

<212> PRT

<213> Homo sapiens

<400> 980

Trp Asn Leu Leu Trp Tyr Phe Gln Arg Leu Arg Leu Pro Ser Ile Leu
 1 5 10 15

Pro Gly Leu Val Leu Ala Ser
 20

<210> 981

<211> 191

<212> PRT

<213> Homo sapiens

<400> 981

Glu Asp Asp Gly Phe Asn Arg Ser Ile His Glu Val Ile Leu Lys Asn
 1 5 10 15

Ile Thr Trp Tyr Ser Glu Arg Val Leu Thr Glu Ile Ser Leu Gly Ser
 20 25 30

Leu Leu Ile Leu Val Val Ile Arg Thr Ile Gln Tyr Asn Met Thr Arg
 35 40 45

Thr Arg Asp Lys Tyr Leu His Thr Asn Cys Leu Ala Ala Leu Ala Asn

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50

55

60

Met Ser Ala Gln Phe Arg Ser Leu His Gln Tyr Ala Ala Gln Arg Ile
65 70 75 80

Ile Ser Leu Phe Ser Leu Leu Ser Lys Lys His Asn Lys Val Leu Glu
85 90 95

Gln Ala Thr Gln Ser Leu Arg Gly Ser Leu Ser Ser Asn Asp Val Pro
100 105 110

Leu Pro Asp Tyr Ala Gln Asp Leu Asn Val Ile Glu Glu Val Ile Arg
115 120 125

Met Met Leu Glu Ile Ile Asn Ser Cys Leu Thr Asn Ser Leu His His
130 135 140

Asn Pro Asn Leu Val Tyr Ala Leu Leu Tyr Lys Arg Asp Leu Phe Glu
145 150 155 160

Gln Phe Arg Thr His Pro Ser Phe Gln Asp Ile Met Gln Asn Ile Asp
165 170 175

Leu Val Ile Ser Phe Phe Ser Ser Arg Leu Leu Gln Ala Gly Ser
180 185 190

<210> 982

<211> 38

<212> PRT

<213> Homo sapiens

<400> 982

Glu Asp Asp Gly Phe Asn Arg Ser Ile His Glu Val Ile Leu Lys Asn
1 5 10 15

Ile Thr Trp Tyr Ser Glu Arg Val Leu Thr Glu Ile Ser Leu Gly Ser
20 25 30

Leu Leu Ile Leu Val Val
35

<210> 983

<211> 53

<212> PRT

<213> Homo sapiens

<400> 983

Arg Thr Ile Gln Tyr Asn Met Thr Arg Thr Arg Asp Lys Tyr Leu His
1 5 10 15

Thr Asn Cys Leu Ala Ala Leu Ala Asn Met Ser Ala Gln Phe Arg Ser
20 25 30

Leu His Gln Tyr Ala Ala Gln Arg Ile Ile Ser Leu Phe Ser Leu Leu
35 40 45

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Ser Lys Lys His Asn
50

<210> 984
<211> 56
<212> PRT
<213> Homo sapiens

<400> 984
Ser Cys Leu Thr Asn Ser Leu His His Asn Pro Asn Leu Val Tyr Ala
1 5 10 15

Leu Leu Tyr Lys Arg Asp Leu Phe Glu Gln Phe Arg Thr His Pro Ser
20 25 30

Phe Gln Asp Ile Met Gln Asn Ile Asp Leu Val Ile Ser Phe Phe Ser
35 40 45

Ser Arg Leu Leu Gln Ala Gly Ser
50 55

<210> 985
<211> 31
<212> PRT
<213> Homo sapiens

<400> 985
Lys Lys His Asn Lys Val Leu Glu Gln Ala Thr Gln Ser Leu Arg Gly
1 5 10 15

Ser Leu Ser Ser Asn Asp Val Pro Leu Pro Asp Tyr Ala Gln Asp
20 25 30

<210> 986
<211> 15
<212> PRT
<213> Homo sapiens

<400> 986
Thr Ile Ser Asn Ser Ser Phe Ile Ser Gly Tyr Asn Ala Lys Tyr
1 5 10 15

<210> 987
<211> 31
<212> PRT
<213> Homo sapiens

<400> 987
Leu Lys Val Ala Ala Ser Trp Glu Leu Ser Cys Gln Trp Asn Gly Ser
1 5 10 15

Trp Lys Ser Leu Ser Lys Ala Ser Leu Arg Cys Pro Lys Thr Asp
20 25 30

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<210> 988
 <211> 125
 <212> PRT
 <213> Homo sapiens

<400> 988
 Met Ala Asp Ile Gln Thr Glu Arg Ala Tyr Gln Lys Gln Pro Thr Ile
 1 5 10 15
 Phe Gln Asn Lys Lys Arg Val Leu Leu Gly Glu Thr Gly Lys Glu Lys
 20 25 30
 Leu Pro Arg Val Thr Asn Lys Asn Ile Gly Leu Gly Phe Lys Asp Thr
 35 40 45
 Pro Arg Arg Leu Leu Arg Gly Thr Tyr Ile Asp Lys Lys Cys Pro Phe
 50 55 60
 Thr Gly Asn Val Ser Ile Arg Gly Arg Ile Leu Ser Gly Val Val Thr
 65 70 75 80
 Gln Asp Glu Asp Ala Glu Asp His Cys His Pro Pro Arg Leu Ser Ala
 85 90 95
 Leu His Pro Gln Val Gln Pro Leu Arg Glu Ala Pro Gln Glu His Val
 100 105 110
 Cys Thr Pro Val Pro Leu Leu Gln Gly Arg Pro Asp Arg
 115 120 125

<210> 989
 <211> 79
 <212> PRT
 <213> Homo sapiens

<400> 989
 Met Lys Met Gln Arg Thr Ile Val Ile Arg Arg Asp Tyr Leu His Tyr
 1 5 10 15
 Ile Arg Lys Tyr Asn Arg Phe Glu Lys Arg His Lys Asn Met Ser Val
 20 25 30
 His Leu Ser Pro Cys Phe Arg Asp Val Gln Ile Gly Asp Ile Val Thr
 35 40 45
 Val Gly Glu Cys Arg Pro Leu Ser Lys Thr Val Arg Phe Asn Val Leu
 50 55 60
 Lys Val Thr Lys Ala Ala Gly Thr Lys Lys Gln Phe Gln Lys Phe
 65 70 75

<210> 990
 <211> 30
 <212> PRT
 <213> Homo sapiens

10004560.120701

<400> 990

Met Ala Asp Ile Gln Thr Glu Arg Ala Tyr Gln Lys Gln Pro Thr Ile
 1 5 10 15

Phe Gln Asn Lys Lys Arg Val Leu Leu Gly Glu Thr Gly Lys
 20 25 30

<210> 991

<211> 58

<212> PRT

<213> Homo sapiens

<400> 991

Lys Leu Pro Arg Val Thr Asn Lys Asn Ile Gly Leu Gly Phe Lys Asp
 1 5 10 15

Thr Pro Arg Arg Leu Leu Arg Gly Thr Tyr Ile Asp Lys Lys Cys Pro
 20 25 30

Phe Thr Gly Asn Val Ser Ile Arg Gly Arg Ile Leu Ser Gly Val Val
 35 40 45

Thr Gln Asp Glu Asp Ala Glu Asp His Cys
 50 55

<210> 992

<211> 38

<212> PRT

<213> Homo sapiens

<400> 992

His Cys His Pro Pro Arg Leu Ser Ala Leu His Pro Gln Val Gln Pro
 1 5 10 15

Leu Arg Glu Ala Pro Gln Glu His Val Cys Thr Pro Val Pro Leu Leu
 20 25 30

Gln Gly Arg Pro Asp Arg
 35

<210> 993

<211> 36

<212> PRT

<213> Homo sapiens

<400> 993

Met Lys Met Gln Arg Thr Ile Val Ile Arg Arg Asp Tyr Leu His Tyr
 1 5 10 15

Ile Arg Lys Tyr Asn Arg Phe Glu Lys Arg His Lys Asn Met Ser Val
 20 25 30

His Leu Ser Pro
 35

10004360.100001

<400> 994

Arg Pro Leu Ser Lys Thr Val Arg Phe Asn Val Leu Lys Val Thr Lys
20 25 30

<210> 995

<400> 995

Thr Gly Asn Val Ser Ile Arg Gly Arg Ile Leu Ser Gly Val Val Thr
20 25 30

<210> 996

<400> 996

Gly Cys Thr Cys Gly Cys Ser Ala Asp Ser Leu Gly Gly
20 25

<210> 997

<400> 997

Arg Pro Arg Met Asp Thr Leu Pro Val Lys Gly His Phe Leu Ser Met
20 25 30

<210> 998
 <211> 60
 <212> PRT
 <213> Homo sapiens

<400> 998
 Ile Phe Tyr Asp Ser Asp Trp Asn Pro Thr Val Asp Gln Gln Ala Met
 1 5 10 15
 Asp Arg Ala His Arg Leu Gly Gln Thr Lys Gln Val Thr Val Tyr Arg
 20 25 30
 Leu Ile Cys Lys Gly Thr Ile Glu Glu Arg Ile Leu Gln Arg Ala Lys
 35 40 45
 Glu Lys Ser Glu Ile Gln Arg Met Val Ile Ser Gly
 50 55 60

<210> 999
 <211> 67
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (19)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (62)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 999
 Thr Arg Met Ile Asp Leu Leu Glu Glu Tyr Met Val Tyr Arg Lys His
 1 5 10 15
 Thr Tyr Xaa Arg Leu Asp Gly Ser Ser Lys Ile Ser Glu Arg Arg Asp
 20 25 30
 Met Val Ala Asp Phe Gln Asn Arg Asn Asp Ile Phe Val Phe Leu Leu
 35 40 45
 Ser Thr Arg Ala Gly Gly Leu Gly Ile Asn Leu Thr Ala Xaa Asp Thr
 50 55 60
 Val His Phe
 65

<210> 1000
 <211> 32

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<212> PRT
 <213> Homo sapiens

<400> 1000

Ile Phe Tyr Asp Ser Asp Trp Asn Pro Thr Val Asp Gln Gln Ala Met
 1 5 10 15

Asp Arg Ala His Arg Leu Gly Gln Thr Lys Gln Val Thr Val Tyr Arg
 20 25 30

<210> 1001

<211> 31

<212> PRT

<213> Homo sapiens

<400> 1001

Val Tyr Arg Leu Ile Cys Lys Gly Thr Ile Glu Glu Arg Ile Leu Gln
 1 5 10 15

Arg Ala Lys Glu Lys Ser Glu Ile Gln Arg Met Val Ile Ser Gly
 20 25 30

<210> 1002

<211> 33

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (19)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1002

Thr Arg Met Ile Asp Leu Leu Glu Glu Tyr Met Val Tyr Arg Lys His
 1 5 10 15

Thr Tyr Xaa Arg Leu Asp Gly Ser Ser Lys Ile Ser Glu Arg Arg Asp
 20 25 30

Met

<210> 1003

<211> 38

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (33)

<223> Xaa equals any of the naturally occurring L-amino acids

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<400> 1003

Arg Arg Asp Met Val Ala Asp Phe Gln Asn Arg Asn Asp Ile Phe Val
 1 5 10 15

Phe Leu Leu Ser Thr Arg Ala Gly Gly Leu Gly Ile Asn Leu Thr Ala
 20 25 30

Xaa Asp Thr Val His Phe
 35

<210> 1004

<211> 37

<212> PRT

<213> Homo sapiens

<400> 1004

Ile Phe Tyr Asp Ser Asp Trp Asn Pro Thr Val Asp Gln Gln Ala Met
 1 5 10 15

Asp Arg Ala His Arg Leu Gly Gln Thr Lys Gln Val Thr Val Tyr Arg
 20 25 30

Leu Ile Cys Lys Gly
 35

<210> 1005

<211> 37

<212> PRT

<213> Homo sapiens

<400> 1005

Ile Phe Tyr Asp Ser Asp Trp Asn Pro Thr Val Asp Gln Gln Ala Met
 1 5 10 15

Asp Arg Ala His Arg Leu Gly Gln Thr Lys Gln Val Thr Val Tyr Arg
 20 25 30

Leu Ile Cys Lys Gly
 35

<210> 1006

<211> 29

<212> PRT

<213> Homo sapiens

<400> 1006

Arg Leu Ile Cys Lys Gly Thr Ile Glu Glu Arg Ile Leu Gln Arg Ala
 1 5 10 15

Lys Glu Lys Ser Glu Ile Gln Arg Met Val Ile Ser Gly
 20 25

<210> 1007

<211> 69

100040000.100701

<212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (20)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (63)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 1007
 Gly Thr Arg Met Ile Asp Leu Leu Glu Glu Tyr Met Val Tyr Arg Lys
 1 5 10 15
 His Thr Tyr Xaa Arg Leu Asp Gly Ser Ser Lys Ile Ser Glu Arg Arg
 20 25 30
 Asp Met Val Ala Asp Phe Gln Asn Arg Asn Asp Ile Phe Val Phe Leu
 35 40 45
 Leu Ser Thr Arg Ala Gly Gly Leu Gly Ile Asn Leu Thr Ala Xaa Asp
 50 55 60
 Thr Val His Phe Leu
 65

<210> 1008
 <211> 364
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (259)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (312)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 1008
 Met Ser Leu His Gly Lys Arg Lys Glu Ile Tyr Lys Tyr Glu Ala Pro
 1 5 10 15
 Trp Thr Val Tyr Ala Met Asn Trp Ser Val Arg Pro Asp Lys Arg Phe
 20 25 30
 Arg Leu Ala Leu Gly Ser Phe Val Glu Glu Tyr Asn Asn Lys Val Gln
 35 40 45
 Leu Val Gly Leu Asp Glu Glu Ser Ser Glu Phe Ile Cys Arg Asn Thr
 50 55 60

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Phe Asp His Pro Tyr Pro Thr Thr Lys Leu Met Trp Ile Pro Asp Thr
 65 70 75 80
 Lys Gly Val Tyr Pro Asp Leu Leu Ala Thr Ser Gly Asp Tyr Leu Arg
 85 90 95
 Val Trp Arg Val Gly Glu Thr Glu Thr Arg Leu Glu Cys Leu Leu Asn
 100 105 110
 Asn Asn Lys Asn Ser Asp Phe Cys Ala Pro Leu Thr Ser Phe Asp Trp
 115 120 125
 Asn Glu Val Asp Pro Tyr Leu Leu Gly Thr Ser Ser Ile Asp Thr Thr
 130 135 140
 Cys Thr Ile Trp Gly Leu Glu Thr Gly Gln Val Leu Gly Arg Val Asn
 145 150 155 160
 Leu Val Ser Gly His Val Lys Thr Gln Leu Ile Ala His Asp Lys Glu
 165 170 175
 Val Tyr Asp Ile Ala Phe Ser Arg Ala Gly Gly Gly Arg Asp Met Phe
 180 185 190
 Ala Ser Val Gly Ala Asp Gly Ser Val Arg Met Phe Asp Leu Arg His
 195 200 205
 Leu Glu His Ser Thr Ile Ile Tyr Glu Asp Pro Gln His His Pro Leu
 210 215 220
 Leu Arg Leu Cys Trp Asn Lys Gln Asp Pro Asn Tyr Leu Ala Thr Met
 225 230 235 240
 Ala Met Asp Gly Met Glu Val Val Ile Leu Asp Val Arg Val Pro Ala
 245 250 255
 His Leu Xaa Pro Gly Thr Thr Ile Glu His Val Ser Met Ala Leu Leu
 260 265 270
 Gly Pro His Ile His Pro Ala Thr Ser Ala Leu Gln Arg Met Thr Thr
 275 280 285
 Arg Leu Ser Ser Gly Thr Ser Ser Lys Cys Pro Glu Pro Leu Arg Thr
 290 295 300
 Leu Ser Trp Pro Thr Gln Leu Xaa Gly Glu Ile Asn Asn Val Gln Trp
 305 310 315 320
 Ala Ser Thr Gln Pro Glu Leu Ser Pro Ser Ala Thr Thr Thr Ala Trp
 325 330 335
 Arg Tyr Ser Glu Cys Ser Val Gly Gly Ala Val Pro Thr Arg Gln Gly
 340 345 350
 Leu Leu Tyr Phe Leu Pro Leu Pro His Pro Gln Ser
 355 360

10004350 120701

<210> 1009
 <211> 136
 <212> PRT
 <213> Homo sapiens

<400> 1009

Met Ser Leu His Gly Lys Arg Lys Glu Ile Tyr Lys Tyr Glu Ala Pro
 1 5 10 15

Trp Thr Val Tyr Ala Met Asn Trp Ser Val Arg Pro Asp Lys Arg Phe
 20 25 30

Arg Leu Ala Leu Gly Ser Phe Val Glu Glu Tyr Asn Asn Lys Val Gln
 35 40 45

Leu Val Gly Leu Asp Glu Glu Ser Ser Glu Phe Ile Cys Arg Asn Thr
 50 55 60

Phe Asp His Pro Tyr Pro Thr Thr Lys Leu Met Trp Ile Pro Asp Thr
 65 70 75 80

Lys Gly Val Tyr Pro Asp Leu Leu Ala Thr Ser Gly Asp Tyr Leu Arg
 85 90 95

Val Trp Arg Val Gly Glu Thr Glu Thr Arg Leu Glu Cys Leu Leu Asn
 100 105 110

Asn Asn Lys Asn Ser Asp Phe Cys Ala Pro Leu Thr Ser Phe Asp Trp
 115 120 125

Asn Glu Val Asp Pro Tyr Leu Leu
 130 135

<210> 1010
 <211> 140
 <212> PRT
 <213> Homo sapiens

<220>

<221> SITE

<222> (135)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1010

Ser Phe Asp Trp Asn Glu Val Asp Pro Tyr Leu Leu Gly Thr Ser Ser
 1 5 10 15

Ile Asp Thr Thr Cys Thr Ile Trp Gly Leu Glu Thr Gly Gln Val Leu
 20 25 30

Gly Arg Val Asn Leu Val Ser Gly His Val Lys Thr Gln Leu Ile Ala
 35 40 45

His Asp Lys Glu Val Tyr Asp Ile Ala Phe Ser Arg Ala Gly Gly Gly
 50 55 60

Arg Asp Met Phe Ala Ser Val Gly Ala Asp Gly Ser Val Arg Met Phe

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65	70	75	80
Asp Leu Arg His Leu Glu His Ser Thr Ile Ile Tyr Glu Asp Pro Gln			
	85	90	95
His His Pro Leu Leu Arg Leu Cys Trp Asn Lys Gln Asp Pro Asn Tyr			
	100	105	110
Leu Ala Thr Met Ala Met Asp Gly Met Glu Val Val Ile Leu Asp Val			
	115	120	125
Arg Val Pro Ala His Leu Xaa Pro Gly Thr Thr Ile			
	130	135	140

<210> 1011

<211> 170

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (65)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (118)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1011

Val Gly Ala Asp Gly Ser Val Arg Met Phe Asp Leu Arg His Leu Glu
1 5 10 15

His Ser Thr Ile Ile Tyr Glu Asp Pro Gln His His Pro Leu Leu Arg
20 25 30

Leu Cys Trp Asn Lys Gln Asp Pro Asn Tyr Leu Ala Thr Met Ala Met
35 40 45

Asp Gly Met Glu Val Val Ile Leu Asp Val Arg Val Pro Ala His Leu
50 55 60

Xaa Pro Gly Thr Thr Ile Glu His Val Ser Met Ala Leu Leu Gly Pro
65 70 75 80

His Ile His Pro Ala Thr Ser Ala Leu Gln Arg Met Thr Thr Arg Leu
85 90 95

Ser Ser Gly Thr Ser Ser Lys Cys Pro Glu Pro Leu Arg Thr Leu Ser
100 105 110

Trp Pro Thr Gln Leu Xaa Gly Glu Ile Asn Asn Val Gln Trp Ala Ser
115 120 125

Thr Gln Pro Glu Leu Ser Pro Ser Ala Thr Thr Thr Ala Trp Arg Tyr
130 135 140

1000450 12001

Ser Glu Cys Ser Val Gly Gly Ala Val Pro Thr Arg Gln Gly Leu Leu
145 150 155 160

Tyr Phe Leu Pro Leu Pro His Pro Gln Ser
165 170

<210> 1012

<211> 286

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (15)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (258)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1012

Leu Tyr Ala Thr Ala Thr Val Ile Ser Ser Pro Ser Thr Glu Xaa Leu
1 5 10 15

Ser Gln Asp Gln Gly Asp Arg Ala Ser Leu Asp Ala Ala Asp Ser Gly
20 25 30

Arg Gly Ser Trp Thr Ser Cys Ser Ser Gly Ser His Asp Asn Ile Gln
35 40 45

Thr Ile Gln His Gln Arg Ser Trp Glu Thr Leu Pro Phe Gly His Thr
50 55 60

His Phe Asp Tyr Ser Gly Asp Pro Ala Gly Leu Trp Ala Ser Ser Ser
65 70 75 80

His Met Asp Gln Ile Met Phe Ser Asp His Ser Thr Lys Tyr Asn Arg
85 90 95

Gln Asn Gln Ser Arg Glu Ser Leu Glu Gln Ala Gln Ser Arg Ala Ser
100 105 110

Trp Ala Ser Ser Thr Gly Tyr Trp Gly Glu Asp Ser Glu Gly Asp Thr
115 120 125

Gly Thr Ile Lys Arg Arg Gly Gly Lys Asp Val Ser Ile Glu Ala Glu
130 135 140

Ser Ser Ser Leu Thr Ser Val Thr Thr Glu Glu Thr Lys Pro Val Pro
145 150 155 160

Met Pro Ala His Ile Ala Val Ala Ser Ser Thr Thr Lys Gly Leu Ile
165 170 175

Ala Arg Lys Glu Gly Arg Tyr Arg Glu Pro Pro Pro Thr Pro Pro Gly
180 185 190

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Tyr Ile Gly Ile Pro Ile Thr Asp Phe Pro Glu Gly His Ser His Pro
195 200 205

Ala Arg Lys Pro Pro Asp Tyr Asn Val Ala Leu Gln Arg Ser Arg Met
210 215 220

Val Ala Arg Ser Ser Asp Thr Ala Gly Pro Ser Ser Val Gln Gln Pro
225 230 235 240

His Gly His Pro Thr Ser Ser Arg Pro Val Asn Lys Pro Gln Trp His
245 250 255

Lys Xaa Asn Glu Ser Asp Pro Arg Leu Ala Pro Tyr Gln Ser Gln Gly
260 265 270

Phe Ser Thr Glu Glu Asp Glu Asp Glu Gln Val Ser Ala Val
275 280 285

<210> 1013

<211> 42

<212> PRT

<213> Homo sapiens

<400> 1013

His Met Asp Gln Ile Met Phe Ser Asp His Ser Thr Lys Tyr Asn Arg
1 5 10 15

Gln Asn Gln Ser Arg Glu Ser Leu Glu Gln Ala Gln Ser Arg Ala Ser
20 25 30

Trp Ala Ser Ser Thr Gly Tyr Trp Gly Glu
35 40

<210> 1014

<211> 51

<212> PRT

<213> Homo sapiens

<400> 1014

Ser Val Thr Thr Glu Glu Thr Lys Pro Val Pro Met Pro Ala His Ile
1 5 10 15

Ala Val Ala Ser Ser Thr Thr Lys Gly Leu Ile Ala Arg Lys Glu Gly
20 25 30

Arg Tyr Arg Glu Pro Pro Pro Thr Pro Pro Gly Tyr Ile Gly Ile Pro
35 40 45

Ile Thr Asp
50

<210> 1015

<211> 57

<212> PRT

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<213> Homo sapiens

<220>

<221> SITE

<222> (42)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1015

Val Ala Leu Gln Arg Ser Arg Met Val Ala Arg Ser Ser Asp Thr Ala
1 5 10 15

Gly Pro Ser Ser Val Gln Gln Pro His Gly His Pro Thr Ser Ser Arg
20 25 30

Pro Val Asn Lys Pro Gln Trp His Lys Xaa Asn Glu Ser Asp Pro Arg
35 40 45

Leu Ala Pro Tyr Gln Ser Gln Gly Phe
50 55

<210> 1016

<211> 41

<212> PRT

<213> Homo sapiens

<400> 1016

Cys Leu Leu Phe Val Phe Val Ser Leu Gly Met Arg Cys Leu Phe Trp
1 5 10 15

Thr Ile Val Tyr Asn Val Leu Tyr Leu Lys His Lys Cys Asn Thr Val
20 25 30

Leu Leu Cys Tyr His Leu Cys Ser Ile
35 40

<210> 1017

<211> 67

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (34)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (46)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (47)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

10004360 120701

<221> SITE

<222> (65)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1017

Ala Cys Ser Lys Leu Ile Pro Ala Phe Glu Met Val Met Arg Ala Lys
1 5 10 15

Asp Asn Val Tyr His Leu Asp Cys Phe Ala Cys Gln Leu Cys Asn Gln
20 25 30

Arg Xaa Cys Val Gly Asp Lys Phe Phe Leu Lys Asn Asn Xaa Xaa Leu
35 40 45

Cys Gln Thr Asp Tyr Glu Glu Gly Leu Met Lys Glu Gly Tyr Ala Pro
50 55 60

Xaa Val Arg
65

<210> 1018

<211> 45

<212> PRT

<213> Homo sapiens

<400> 1018

Ser Ala Leu Ser Glu Pro Gly Ala Pro Asp Arg Arg Arg Pro Cys Pro
1 5 10 15

Glu Ser Val Pro Arg Arg Pro Asp Asp Glu Gln Trp Pro Pro Pro Thr
20 25 30

Ala Leu Cys Leu Asp Val Ala Pro Leu Pro Pro Ser Ser
35 40 45

<210> 1019

<211> 43

<212> PRT

<213> Homo sapiens

<400> 1019

Pro Val Gly Tyr Leu Asp Lys Gln Val Pro Asp Thr Ser Val Gln Glu
1 5 10 15

Thr Asp Arg Ile Leu Val Glu Lys Arg Cys Trp Asp Ile Ala Leu Gly
20 25 30

Pro Leu Lys Gln Ile Pro Met Asn Leu Phe Ile
35 40

<210> 1020

<211> 214

<212> PRT

<213> Homo sapiens

10004360-120701

<400> 1020

Ala His Ala Ser Glu Ser Gly Glu Arg Trp Trp Ala Cys Cys Gly Val
 1 5 10 15

Arg Phe Gly Leu Arg Ser Ile Glu Ala Ile Gly Arg Ser Cys Cys His
 20 25 30

Asp Gly Pro Gly Gly Leu Val Ala Asn Arg Gly Arg Arg Phe Lys Trp
 35 40 45

Ala Ile Glu Leu Ser Gly Pro Gly Gly Gly Ser Arg Gly Arg Ser Asp
 50 55 60

Arg Gly Ser Gly Gln Gly Asp Ser Leu Tyr Pro Val Gly Tyr Leu Asp
 65 70 75 80

Lys Gln Val Pro Asp Thr Ser Val Gln Glu Thr Asp Arg Ile Leu Val
 85 90 95

Glu Lys Arg Cys Trp Asp Ile Ala Leu Gly Pro Leu Lys Gln Ile Pro
 100 105 110

Met Asn Leu Phe Ile Met Tyr Met Ala Gly Asn Thr Ile Ser Ile Phe
 115 120 125

Pro Thr Met Met Val Cys Met Met Ala Trp Arg Pro Ile Gln Ala Leu
 130 135 140

Met Ala Ile Ser Ala Thr Phe Lys Met Leu Glu Ser Ser Ser Gln Lys
 145 150 155 160

Phe Leu Gln Gly Leu Val Tyr Leu Ile Gly Asn Leu Met Gly Leu Ala
 165 170 175

Leu Ala Val Tyr Lys Cys Gln Ser Met Gly Leu Leu Pro Thr His Ala
 180 185 190

Ser Asp Trp Leu Ala Phe Ile Glu Pro Pro Glu Arg Met Glu Phe Ser
 195 200 205

Gly Gly Gly Leu Leu Leu
 210

<210> 1021

<211> 46

<212> PRT

<213> Homo sapiens

<400> 1021

Ala Thr Phe Lys Met Leu Glu Ser Ser Ser Gln Lys Phe Leu Gln Gly
 1 5 10 15

Leu Val Tyr Leu Ile Gly Asn Leu Met Gly Leu Ala Leu Ala Val Tyr
 20 25 30

Lys Cys Gln Ser Met Gly Leu Leu Pro Thr His Ala Ser Asp
 35 40 45

10004560-120701

<210> 1022
 <211> 43
 <212> PRT
 <213> Homo sapiens

<400> 1022
 Pro Val Gly Tyr Leu Asp Lys Gln Val Pro Asp Thr Ser Val Gln Glu
 1 5 10 15

Thr Asp Arg Ile Leu Val Glu Lys Arg Cys Trp Asp Ile Ala Leu Gly
 20 25 30

Pro Leu Lys Gln Ile Pro Met Asn Leu Phe Ile
 35 40

<210> 1023
 <211> 48
 <212> PRT
 <213> Homo sapiens

<400> 1023
 Pro Thr Thr Lys Leu Asp Ile Met Glu Lys Lys Lys His Ile Gln Ile
 1 5 10 15

Arg Phe Pro Ser Phe Tyr His Lys Leu Val Asp Ser Gly Arg Met Arg
 20 25 30

Ser Lys Arg Glu Thr Arg Arg Glu Asp Ser Asp Thr Lys His Asn Leu
 35 40 45

<210> 1024
 <211> 16
 <212> PRT
 <213> Homo sapiens

<400> 1024
 Phe Leu Trp Lys Ser Leu Leu Leu Arg Tyr Phe Lys Met Arg Gln His
 1 5 10 15

<210> 1025
 <211> 36
 <212> PRT
 <213> Homo sapiens

<400> 1025
 Tyr His Tyr Leu Leu Ser Ser Phe Leu Ser Tyr Ser Ser Ser Ser Gln
 1 5 10 15

10004950-12004

Asn Leu Pro Val Tyr Gly Arg Lys Met Gly Thr Leu Phe Glu Cys Val
 20 25 30

Phe Phe Phe Pro
 35

<210> 1026
 <211> 167
 <212> PRT
 <213> Homo sapiens

<400> 1026
 Thr Glu His Ile Ile Ala Val Met Ile Thr Glu Leu Arg Gly Lys Asp
 1 5 10 15
 Ile Leu Ser Tyr Leu Glu Lys Asn Ile Ser Val Gln Met Thr Ile Ala
 20 25 30
 Val Gly Thr Arg Met Pro Pro Lys Asn Phe Ser Arg Gly Ser Leu Val
 35 40 45
 Phe Val Ser Ile Ser Phe Ile Val Leu Met Ile Ile Ser Ser Ala Trp
 50 55 60
 Leu Ile Phe Tyr Phe Ile Gln Lys Ile Arg Tyr Thr Asn Ala Arg Asp
 65 70 75 80
 Arg Asn Gln Arg Arg Leu Gly Asp Ala Ala Lys Lys Ala Ile Ser Lys
 85 90 95
 Leu Thr Thr Arg Thr Val Lys Lys Gly Asp Lys Glu Thr Asp Pro Asp
 100 105 110
 Phe Asp His Cys Ala Val Cys Ile Glu Ser Tyr Lys Gln Asn Asp Val
 115 120 125
 Val Arg Ile Leu Pro Cys Lys His Val Phe His Lys Ser Cys Val Asp
 130 135 140
 Pro Trp Leu Ser Glu His Cys Thr Cys Pro Met Cys Lys Leu Asn Ile
 145 150 155 160
 Leu Lys Ala Leu Gly Ile Val
 165

<210> 1027
 <211> 276
 <212> PRT
 <213> Homo sapiens

<400> 1027
 Met Thr His Pro Gly Thr Glu His Ile Ile Ala Val Met Ile Thr Glu
 1 5 10 15
 Leu Arg Gly Lys Asp Ile Leu Ser Tyr Leu Glu Lys Asn Ile Ser Val

10004350.120701

20 25 30
 Gln Met Thr Ile Ala Val Gly Thr Arg Met Pro Pro Lys Asn Phe Ser
 35 40 45
 Arg Gly Ser Leu Val Phe Val Ser Ile Ser Phe Ile Val Leu Met Ile
 50 55 60
 Ile Ser Ser Ala Trp Leu Ile Phe Tyr Phe Ile Gln Lys Ile Arg Tyr
 65 70 75 80
 Thr Asn Ala Arg Asp Arg Asn Gln Arg Arg Leu Gly Asp Ala Ala Lys
 85 90 95
 Lys Ala Ile Ser Lys Leu Thr Thr Arg Thr Val Lys Lys Gly Asp Lys
 100 105 110
 Glu Thr Asp Pro Asp Phe Asp His Cys Ala Val Cys Ile Glu Ser Tyr
 115 120 125
 Lys Gln Asn Asp Val Val Arg Ile Leu Pro Cys Lys His Val Phe His
 130 135 140
 Lys Ser Cys Val Asp Pro Trp Leu Ser Glu His Cys Thr Cys Pro Met
 145 150 155 160
 Cys Lys Leu Asn Ile Leu Lys Ala Leu Gly Ile Val Pro Asn Leu Pro
 165 170 175
 Cys Thr Asp Asn Val Ala Phe Asp Met Glu Arg Leu Thr Arg Thr Gln
 180 185 190
 Ala Val Asn Arg Arg Ser Ala Leu Gly Asp Leu Ala Gly Asp Asn Ser
 195 200 205
 Leu Gly Leu Glu Pro Leu Arg Thr Ser Gly Ile Ser Pro Leu Pro Gln
 210 215 220
 Asp Gly Glu Leu Thr Pro Arg Thr Gly Glu Ile Asn Ile Ala Val Thr
 225 230 235 240
 Lys Glu Trp Phe Ile Ile Ala Ser Phe Gly Leu Leu Ser Ala Leu Thr
 245 250 255
 Leu Cys Tyr Met Ile Ile Arg Ala Thr Ala Ser Leu Asn Ala Asn Glu
 260 265 270
 Val Glu Trp Phe
 275

<210> 1028

<211> 69

<212> PRT

<213> Homo sapiens

<400> 1028

Thr Glu His Ile Ile Ala Val Met Ile Thr Glu Leu Arg Gly Lys Asp

10004360.120701

1 5 10 15
 Ile Leu Ser Tyr Leu Glu Lys Asn Ile Ser Val Gln Met Thr Ile Ala
 20 25 30
 Val Gly Thr Arg Met Pro Pro Lys Asn Phe Ser Arg Gly Ser Leu Val
 35 40 45
 Phe Val Ser Ile Ser Phe Ile Val Leu Met Ile Ile Ser Ser Ala Trp
 50 55 60
 Leu Ile Phe Tyr Phe
 65

<210> 1029

<211> 58

<212> PRT

<213> Homo sapiens

<400> 1029

Ser Ile Ser Phe Ile Val Leu Met Ile Ile Ser Ser Ala Trp Leu Ile
 1 5 10 15

Phe Tyr Phe Ile Gln Lys Ile Arg Tyr Thr Asn Ala Arg Asp Arg Asn
 20 25 30

Gln Arg Arg Leu Gly Asp Ala Ala Lys Lys Ala Ile Ser Lys Leu Thr
 35 40 45

Thr Arg Thr Val Lys Lys Gly Asp Lys Glu
 50 55

<210> 1030

<211> 66

<212> PRT

<213> Homo sapiens

<400> 1030

Val Lys Lys Gly Asp Lys Glu Thr Asp Pro Asp Phe Asp His Cys Ala
 1 5 10 15

Val Cys Ile Glu Ser Tyr Lys Gln Asn Asp Val Val Arg Ile Leu Pro
 20 25 30

Cys Lys His Val Phe His Lys Ser Cys Val Asp Pro Trp Leu Ser Glu
 35 40 45

His Cys Thr Cys Pro Met Cys Lys Leu Asn Ile Leu Lys Ala Leu Gly
 50 55 60

Ile Val
 65

<210> 1031

<211> 106

10004550-120701

<212> PRT

<213> Homo sapiens

<400> 1031

Met Thr His Pro Gly Thr Glu His Ile Ile Ala Val Met Ile Thr Glu
 1 5 10 15

Leu Arg Gly Lys Asp Ile Leu Ser Tyr Leu Glu Lys Asn Ile Ser Val
 20 25 30

Gln Met Thr Ile Ala Val Gly Thr Arg Met Pro Pro Lys Asn Phe Ser
 35 40 45

Arg Gly Ser Leu Val Phe Val Ser Ile Ser Phe Ile Val Leu Met Ile
 50 55 60

Ile Ser Ser Ala Trp Leu Ile Phe Tyr Phe Ile Gln Lys Ile Arg Tyr
 65 70 75 80

Thr Asn Ala Arg Asp Arg Asn Gln Arg Arg Leu Gly Asp Ala Ala Lys
 85 90 95

Lys Ala Ile Ser Lys Leu Thr Thr Arg Thr
 100 105

<210> 1032

<211> 84

<212> PRT

<213> Homo sapiens

<400> 1032

Ala Ala Lys Lys Ala Ile Ser Lys Leu Thr Thr Arg Thr Val Lys Lys
 1 5 10 15

Gly Asp Lys Glu Thr Asp Pro Asp Phe Asp His Cys Ala Val Cys Ile
 20 25 30

Glu Ser Tyr Lys Gln Asn Asp Val Val Arg Ile Leu Pro Cys Lys His
 35 40 45

Val Phe His Lys Ser Cys Val Asp Pro Trp Leu Ser Glu His Cys Thr
 50 55 60

Cys Pro Met Cys Lys Leu Asn Ile Leu Lys Ala Leu Gly Ile Val Pro
 65 70 75 80

Asn Leu Pro Cys

<210> 1033

<211> 86

<212> PRT

<213> Homo sapiens

<400> 1033

Thr Gln Ala Val Asn Arg Arg Ser Ala Leu Gly Asp Leu Ala Gly Asp

10004860.120701

1 5 10 15
 Asn Ser Leu Gly Leu Glu Pro Leu Arg Thr Ser Gly Ile Ser Pro Leu
 20 25 30
 Pro Gln Asp Gly Glu Leu Thr Pro Arg Thr Gly Glu Ile Asn Ile Ala
 35 40 45
 Val Thr Lys Glu Trp Phe Ile Ile Ala Ser Phe Gly Leu Leu Ser Ala
 50 55 60
 Leu Thr Leu Cys Tyr Met Ile Ile Arg Ala Thr Ala Ser Leu Asn Ala
 65 70 75 80
 Asn Glu Val Glu Trp Phe
 85

 <210> 1034
 <211> 341
 <212> PRT
 <213> Homo sapiens

 <400> 1034
 Pro Leu His Gly Val Ala Asp His Leu Gly Cys Asp Pro Gln Thr Arg
 1 5 10 15
 Phe Phe Val Pro Pro Asn Ile Lys Gln Trp Ile Ala Leu Leu Gln Arg
 20 25 30
 Gly Asn Cys Thr Phe Lys Glu Lys Ile Ser Arg Ala Ala Phe His Asn
 35 40 45
 Ala Val Ala Val Val Ile Tyr Asn Asn Lys Ser Lys Glu Glu Pro Val
 50 55 60
 Thr Met Thr His Pro Gly Thr Glu His Ile Ile Ala Val Met Ile Thr
 65 70 75 80
 Glu Leu Arg Gly Lys Asp Ile Leu Ser Tyr Leu Glu Lys Asn Ile Ser
 85 90 95
 Val Gln Met Thr Ile Ala Val Gly Thr Arg Met Pro Pro Lys Asn Phe
 100 105 110
 Ser Arg Gly Ser Leu Val Phe Val Ser Ile Ser Phe Ile Val Leu Met
 115 120 125
 Ile Ile Ser Ser Ala Trp Leu Ile Phe Tyr Phe Ile Gln Lys Ile Arg
 130 135 140
 Tyr Thr Asn Ala Arg Asp Arg Asn Gln Arg Arg Leu Gly Asp Ala Ala
 145 150 155 160
 Lys Lys Ala Ile Ser Lys Leu Thr Thr Arg Thr Val Lys Lys Gly Asp
 165 170 175
 Lys Glu Thr Asp Pro Asp Phe Asp His Cys Ala Val Cys Ile Glu Ser

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 10004350.120704

180 185 190

Tyr Lys Gln Asn Asp Val Val Arg Ile Leu Pro Cys Lys His Val Phe
195 200 205

His Lys Ser Cys Val Asp Pro Trp Leu Ser Glu His Cys Thr Cys Pro
210 215 220

Met Cys Lys Leu Asn Ile Leu Lys Ala Leu Gly Ile Val Pro Asn Leu
225 230 235 240

Pro Cys Thr Asp Asn Val Ala Phe Asp Met Glu Arg Leu Thr Arg Thr
245 250 255

Gln Ala Val Asn Arg Arg Ser Ala Leu Gly Asp Leu Ala Gly Asp Asn
260 265 270

Ser Leu Gly Leu Glu Pro Leu Arg Thr Ser Gly Ile Ser Pro Leu Pro
275 280 285

Gln Asp Gly Glu Leu Thr Pro Arg Thr Gly Glu Ile Asn Ile Ala Val
290 295 300

Thr Lys Glu Trp Phe Ile Ile Ala Ser Phe Gly Leu Leu Ser Ala Leu
305 310 315 320

Thr Leu Cys Tyr Met Ile Ile Arg Ala Thr Ala Ser Leu Asn Ala Asn
325 330 335

Glu Val Glu Trp Phe
340

<210> 1035
<211> 60
<212> PRT
<213> Homo sapiens

<400> 1035
His Gly Val Ala Asp His Leu Gly Cys Asp Pro Gln Thr Arg Phe Phe
1 5 10 15

Val Pro Pro Asn Ile Lys Gln Trp Ile Ala Leu Leu Gln Arg Gly Asn
20 25 30

Cys Thr Phe Lys Glu Lys Ile Ser Arg Ala Ala Phe His Asn Ala Val
35 40 45

Ala Val Val Ile Tyr Asn Asn Lys Ser Lys Glu Glu
50 55 60

<210> 1036
<211> 314
<212> PRT
<213> Homo sapiens

<220>

10004860.120701

<221> SITE

<222> (189)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1036

Met	Ser	Gly	Gln	Gly	Leu	Ala	Gly	Phe	Phe	Ala	Ser	Val	Ala	Met	Ile
1				5				10						15	

Cys	Ala	Ile	Ala	Ser	Gly	Ser	Glu	Leu	Ser	Glu	Ser	Ala	Phe	Gly	Tyr
			20					25					30		

Phe	Ile	Thr	Ala	Cys	Ala	Val	Ile	Ile	Leu	Thr	Ile	Ile	Cys	Tyr	Leu
		35					40					45			

Gly	Leu	Pro	Arg	Leu	Glu	Phe	Tyr	Arg	Tyr	Tyr	Gln	Gln	Leu	Lys	Leu
	50					55					60				

Glu	Gly	Pro	Gly	Glu	Gln	Glu	Thr	Lys	Leu	Asp	Leu	Ile	Ser	Lys	Gly
65					70					75					80

Glu	Glu	Pro	Arg	Ala	Gly	Lys	Glu	Glu	Ser	Gly	Val	Ser	Val	Ser	Asn
				85					90					95	

Ser	Gln	Pro	Thr	Asn	Glu	Ser	His	Ser	Ile	Lys	Ala	Ile	Leu	Lys	Asn
			100					105					110		

Ile	Ser	Val	Leu	Ala	Phe	Ser	Val	Cys	Phe	Ile	Phe	Thr	Ile	Thr	Ile
		115					120					125			

Gly	Met	Phe	Pro	Ala	Val	Thr	Val	Glu	Val	Lys	Ser	Ser	Ile	Ala	Gly
	130					135					140				

Ser	Ser	Thr	Trp	Glu	Arg	Tyr	Phe	Ile	Pro	Val	Ser	Cys	Phe	Leu	Thr
145					150					155					160

Phe	Asn	Ile	Phe	Asp	Trp	Leu	Gly	Arg	Ser	Leu	Thr	Ala	Val	Phe	Met
			165					170						175	

Trp	Pro	Gly	Lys	Asp	Ser	Arg	Trp	Leu	Pro	Ser	Trp	Xaa	Leu	Ala	Arg
			180					185					190		

Leu	Val	Phe	Val	Pro	Leu	Leu	Leu	Cys	Asn	Ile	Lys	Pro	Arg	Arg	
	195					200					205				

Tyr	Leu	Thr	Val	Val	Phe	Glu	His	Asp	Ala	Trp	Phe	Ile	Phe	Phe	Met
	210					215					220				

Ala	Ala	Phe	Ala	Phe	Ser	Asn	Gly	Tyr	Leu	Ala	Ser	Leu	Cys	Met	Cys
225					230					235					240

Phe	Gly	Pro	Lys	Lys	Val	Lys	Pro	Ala	Glu	Ala	Glu	Thr	Ala	Glu	Pro
			245						250					255	

Ser	Trp	Pro	Ser	Ser	Cys	Val	Trp	Val	Trp	His	Trp	Gly	Leu	Phe	Ser
		260						265					270		

Pro	Ser	Cys	Ser	Gly	Gln	Leu	Cys	Asp	Lys	Gly	Trp	Thr	Glu	Gly	Leu
		275					280					285			

10004850 120701

Pro Ala Ser Leu Pro Val Cys Leu Leu Pro Leu Pro Ser Ala Arg Gly
 290 295 300

Asp Pro Glu Trp Ser Gly Gly Phe Phe Phe
 305 310

<210> 1037
 <211> 106
 <212> PRT
 <213> Homo sapiens

<400> 1037
 Met Ser Gly Gln Gly Leu Ala Gly Phe Phe Ala Ser Val Ala Met Ile
 1 5 10 15
 Cys Ala Ile Ala Ser Gly Ser Glu Leu Ser Glu Ser Ala Phe Gly Tyr
 20 25 30
 Phe Ile Thr Ala Cys Ala Val Ile Ile Leu Thr Ile Ile Cys Tyr Leu
 35 40 45
 Gly Leu Pro Arg Leu Glu Phe Tyr Arg Tyr Tyr Gln Gln Leu Lys Leu
 50 55 60
 Glu Gly Pro Gly Glu Gln Glu Thr Lys Leu Asp Leu Ile Ser Lys Gly
 65 70 75 80
 Glu Glu Pro Arg Ala Gly Lys Glu Glu Ser Gly Val Ser Val Ser Asn
 85 90 95
 Ser Gln Pro Thr Asn Glu Ser His Ser Ile
 100 105

<210> 1038
 <211> 81
 <212> PRT
 <213> Homo sapiens

<400> 1038
 Ser Gly Val Ser Val Ser Asn Ser Gln Pro Thr Asn Glu Ser His Ser
 1 5 10 15
 Ile Lys Ala Ile Leu Lys Asn Ile Ser Val Leu Ala Phe Ser Val Cys
 20 25 30
 Phe Ile Phe Thr Ile Thr Ile Gly Met Phe Pro Ala Val Thr Val Glu
 35 40 45
 Val Lys Ser Ser Ile Ala Gly Ser Ser Thr Trp Glu Arg Tyr Phe Ile
 50 55 60
 Pro Val Ser Cys Phe Leu Thr Phe Asn Ile Phe Asp Trp Leu Gly Arg
 65 70 75 80
 Ser

1000450 1000450

<210> 1039
 <211> 92
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (63)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 1039
 Thr Ile Gly Met Phe Pro Ala Val Thr Val Glu Val Lys Ser Ser Ile
 1 5 10 15
 Ala Gly Ser Ser Thr Trp Glu Arg Tyr Phe Ile Pro Val Ser Cys Phe
 20 25 30
 Leu Thr Phe Asn Ile Phe Asp Trp Leu Gly Arg Ser Leu Thr Ala Val
 35 40 45
 Phe Met Trp Pro Gly Lys Asp Ser Arg Trp Leu Pro Ser Trp Xaa Leu
 50 55 60
 Ala Arg Leu Val Phe Val Pro Leu Leu Leu Leu Cys Asn Ile Lys Pro
 65 70 75 80
 Arg Arg Tyr Leu Thr Val Val Phe Glu His Asp Ala
 85 90

<210> 1040
 <211> 74
 <212> PRT
 <213> Homo sapiens

<400> 1040
 Phe Gly Pro Lys Lys Val Lys Pro Ala Glu Ala Glu Thr Ala Glu Pro
 1 5 10 15
 Ser Trp Pro Ser Ser Cys Val Trp Val Trp His Trp Gly Leu Phe Ser
 20 25 30
 Pro Ser Cys Ser Gly Gln Leu Cys Asp Lys Gly Trp Thr Glu Gly Leu
 35 40 45
 Pro Ala Ser Leu Pro Val Cys Leu Leu Pro Leu Pro Ser Ala Arg Gly
 50 55 60
 Asp Pro Glu Trp Ser Gly Gly Phe Phe Phe
 65 70

<210> 1041
 <211> 135
 <212> PRT

10004350120701

<213> Homo sapiens

<220>

<221> SITE

<222> (96)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (97)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (98)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (99)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (100)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (101)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (102)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (103)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (104)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (105)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (106)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

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<221> SITE
 <222> (107)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (108)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (109)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (110)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (111)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (112)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (130)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 1041
 Asp Asp Asp Gly Phe Glu Ile Val Pro Ile Glu Asp Pro Ala Lys His
 1 5 10 15
 Arg Ile Leu Asp Pro Glu Gly Leu Ala Leu Gly Ala Val Ile Ala Ser
 20 25 30
 Ser Lys Lys Ala Lys Arg Asp Leu Ile Asp Asn Ser Phe Asn Arg Tyr
 35 40 45
 Thr Phe Asn Glu Asp Glu Gly Glu Leu Pro Glu Trp Phe Val Gln Glu
 50 55 60
 Glu Lys Gln His Arg Ile Arg Gln Leu Pro Val Gly Lys Lys Glu Val
 65 70 75 80
 Glu His Tyr Arg Lys Arg Trp Arg Glu Ile Asn Ala Arg Pro Ile Xaa
 85 90 95
 Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
 100 105 110
 Leu Glu Gln Thr Arg Lys Lys Ala Glu Ala Val Val Asn Thr Val Asp
 115 120 125

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Ile Xaa Arg Thr Arg Glu Ser
130 135

<210> 1042
<211> 50
<212> PRT
<213> Homo sapiens

<400> 1042
Asp Asp Asp Gly Phe Glu Ile Val Pro Ile Glu Asp Pro Ala Lys His
1 5 10 15

Arg Ile Leu Asp Pro Glu Gly Leu Ala Leu Gly Ala Val Ile Ala Ser
20 25 30

Ser Lys Lys Ala Lys Arg Asp Leu Ile Asp Asn Ser Phe Asn Arg Tyr
35 40 45

Thr Phe
50

<210> 1043
<211> 51
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (12)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (13)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (14)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (15)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (16)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (17)
<223> Xaa equals any of the naturally occurring L-amino acids

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<220>
<221> SITE
<222> (18)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (19)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (20)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (21)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (22)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (23)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (24)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (25)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (26)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (27)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
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<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE

10004550.120701

<223> Xaa equals any of the naturally occurring L-amino acids

Lys Arg Trp Arg Glu Ile Asn Ala Arg Pro Ile Xaa Xaa Xaa Xaa Xaa
1 5 10 15

Arg Lys Lys Ala Glu Ala Val Val Asn Thr Val Asp Ile Xaa Arg Thr
35 40 45

<213> Homo sapiens

Met Ile Lys Asp Lys Gly Arg Ala Arg Thr Ala Leu Thr Ser Ser Gln
1 5 10 15

Pro Ala His Leu Cys Pro Glu Asn Pro Leu Leu His Leu Lys Ala Ala
20 25 30

Val Lys Glu Lys Lys Arg Asn Lys Lys Lys Lys Thr Ile Gly Ser Pro
35 40 45

Lys Arg Ile Gln Ser Pro Leu Asn Asn Lys Leu Leu Asn Ser Pro Ala
50 55 60

Lys Thr Leu Pro Gly Ala Cys Gly Ser Pro Gln Lys Leu Ile Asp Gly
65 70 75 80

Phe Leu Lys His Glu Gly Pro Pro Ala Glu Lys Pro Leu Glu Glu Leu
85 90 95

Ser Ala Ser Thr Ser Gly Val Pro Gly Leu Ser Ser Leu Gln Ser Asp
100 105 110

Pro Ala Gly Cys Val Arg Pro Pro Ala Pro Asn Leu Ala Gly Ala Val
115 120 125

Glu Phe Asn Asp Val Lys Thr Leu Leu Arg Glu Trp Ile Thr Thr Ile
130 135 140

Ser Asp Pro Met Glu Glu Asp Ile Leu Gln Val Val Lys Tyr Cys Thr
145 150 155 160

Asp Leu Ile Glu Glu Lys Asp Leu Glu Lys Leu Asp Leu Val Ile Lys
165 170 175

Tyr Met Lys Arg Leu Met Gln Gln Ser Val Glu Ser Val Trp Asn Met
180 185 190

Ala Phe Asp Phe Ile Leu Asp Asn Val Gln Val Val Leu Gln Gln Thr
 195 200 205

Tyr Gly Ser Thr Leu Lys Val Thr
 210 215

<210> 1045
 <211> 52
 <212> PRT
 <213> Homo sapiens

<400> 1045
 Met Ile Lys Asp Lys Gly Arg Ala Arg Thr Ala Leu Thr Ser Ser Gln
 1 5 10 15

Pro Ala His Leu Cys Pro Glu Asn Pro Leu Leu His Leu Lys Ala Ala
 20 25 30

Val Lys Glu Lys Lys Arg Asn Lys Lys Lys Lys Thr Ile Gly Ser Pro
 35 40 45

Lys Arg Ile Gln
 50

<210> 1046
 <211> 100
 <212> PRT
 <213> Homo sapiens

<400> 1046
 Lys Arg Ile Gln Ser Pro Leu Asn Asn Lys Leu Leu Asn Ser Pro Ala
 1 5 10 15

Lys Thr Leu Pro Gly Ala Cys Gly Ser Pro Gln Lys Leu Ile Asp Gly
 20 25 30

Phe Leu Lys His Glu Gly Pro Pro Ala Glu Lys Pro Leu Glu Glu Leu
 35 40 45

Ser Ala Ser Thr Ser Gly Val Pro Gly Leu Ser Ser Leu Gln Ser Asp
 50 55 60

Pro Ala Gly Cys Val Arg Pro Pro Ala Pro Asn Leu Ala Gly Ala Val
 65 70 75 80

Glu Phe Asn Asp Val Lys Thr Leu Leu Arg Glu Trp Ile Thr Thr Ile
 85 90 95

Ser Asp Pro Met
 100

<210> 1047
 <211> 74
 <212> PRT

10004560-120704

3> Homo sapiens

0> 1047

Ile Ser Asp Pro Met Glu Glu Asp Ile Leu Gln Val Val Lys Tyr
5 10 15

Thr Asp Leu Ile Glu Glu Lys Asp Leu Glu Lys Leu Asp Leu Val
20 25 30

Lys Tyr Met Lys Arg Leu Met Gln Gln Ser Val Glu Ser Val Trp
35 40 45

Met Ala Phe Asp Phe Ile Leu Asp Asn Val Gln Val Val Leu Gln
50 55 60

Thr Tyr Gly Ser Thr Leu Lys Val Thr
5 70

10> 1048

11> 156

12> PRT

13> Homo sapiens

00> 1048

Cys Cys Lys Thr Thr Trp Thr Leu Ser Arg Ile Lys Ser Asn Ala
1 5 10 15

Phe Gln Thr Asp Ser Thr Asp Cys Cys Ile Ser Leu Phe Met Tyr
20 25 30

Ile Thr Arg Ser Ser Phe Ser Lys Ser Phe Ser Ser Ile Arg Ser
35 40 45

Gln Tyr Phe Thr Thr Trp Arg Met Ser Ser Ser Ile Gly Ser Glu
50 55 60

Val Val Ile His Ser Leu Ser Lys Val Phe Thr Ser Leu Asn Ser
65 70 75 80

Ala Pro Ala Arg Leu Gly Ala Gly Gly Leu Thr Gln Pro Ala Gly
85 90 95

Asp Cys Lys Leu Glu Arg Pro Gly Thr Pro Glu Val Glu Ala Glu
100 105 110

Ser Ser Arg Gly Phe Ser Ala Gly Gly Pro Ser Cys Phe Arg Asn
115 120 125

Ser Ile Asn Phe Trp Gly Leu Pro Gln Ala Pro Gly Arg Val Phe
130 135 140

Gly Leu Leu Ser Ser Leu Leu Phe Lys Gly Leu
145 150 155

210> 1049

211> 25

10004850 120701

<212> PRT
 <213> Homo sapiens

<400> 1049
 Trp Thr Leu Ser Arg Ile Lys Ser Asn Ala Ile Phe Gln Thr Asp Ser
 1 5 10 15
 Thr Asp Cys Cys Ile Ser Leu Phe Met
 20 25

<210> 1050
 <211> 37
 <212> PRT
 <213> Homo sapiens

<400> 1050
 Phe Thr Thr Trp Arg Met Ser Ser Ser Ile Gly Ser Glu Ile Val Val
 1 5 10 15
 Ile His Ser Leu Ser Lys Val Phe Thr Ser Leu Asn Ser Thr Ala Pro
 20 25 30
 Ala Arg Leu Gly Ala
 35

<210> 1051
 <211> 28
 <212> PRT
 <213> Homo sapiens

<400> 1051
 Gly Gly Pro Ser Cys Phe Arg Asn Pro Ser Ile Asn Phe Trp Gly Leu
 1 5 10 15
 Pro Gln Ala Pro Gly Arg Val Phe Ala Gly Leu Leu
 20 25

<210> 1052
 <211> 18
 <212> PRT
 <213> Homo sapiens

<400> 1052
 Phe Cys His Asp Cys Lys Phe Pro Glu Ala Ser Pro Ala Met Asn Cys
 1 5 10 15
 Glu Pro

<210> 1053
 <211> 18
 <212> PRT
 <213> Homo sapiens

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<400> 1053

Phe Cys His Asp Cys Lys Phe Pro Glu Ala Ser Pro Ala Met Asn Cys
 1 5 10 15

Glu Pro

<210> 1054

<211> 9

<212> PRT

<213> Homo sapiens

<400> 1054

His Glu Pro Tyr Ala Val Leu Val Ile
 1 5

<210> 1055

<211> 27

<212> PRT

<213> Homo sapiens

<400> 1055

Pro Gln Pro Ser Asn Phe Pro Thr Thr Val Arg Asn Leu Pro Tyr Ser
 1 5 10 15

Gly Ala Gly Ala Gln Pro Pro Pro Ser Asn Cys
 20 25

<210> 1056

<211> 134

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (130)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1056

Met Ala Ser Ser Val Pro Ala Gly Gly His Thr Arg Ala Gly Gly Ile
 1 5 10 15

Phe Leu Ile Gly Lys Leu Asp Leu Glu Ala Ser Leu Phe Lys Ser Phe
 20 25 30

Gln Trp Leu Pro Phe Val Leu Arg Lys Lys Cys Asn Phe Phe Cys Trp
 35 40 45

Asp Ser Ser Ala His Ser Leu Pro Leu His Pro Leu Ser Ala Ser Cys
 50 55 60

Ser Ala Pro Ala Cys His Ala Ser Asp Thr His Leu Leu Tyr Pro Ser
 65 70 75 80

Thr Arg Ala Leu Cys Pro Ser Ile Phe Ala Trp Leu Val Ala Pro His

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85

90

95

Ser Val Phe Arg Thr Asn Ala Pro Gly Pro Thr Pro Ser Ser Gln Ser
 100 105 110

Ser Pro Val Phe Pro Val Phe Pro Val Ser Phe Met Ala Leu Ile Val
 115 120 125

Cys Xaa Leu Val Cys Cys
 130

<210> 1057

<211> 71

<212> PRT

<213> Homo sapiens

<400> 1057

Met Ala Ser Ser Val Pro Ala Gly Gly His Thr Arg Ala Gly Gly Ile
 1 5 10 15

Phe Leu Ile Gly Lys Leu Asp Leu Glu Ala Ser Leu Phe Lys Ser Phe
 20 25 30

Gln Trp Leu Pro Phe Val Leu Arg Lys Lys Cys Asn Phe Phe Cys Trp
 35 40 45

Asp Ser Ser Ala His Ser Leu Pro Leu His Pro Leu Ser Ala Ser Cys
 50 55 60

Ser Ala Pro Ala Cys His Ala
 65 70

<210> 1058

<211> 46

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (42)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1058

Phe Ala Trp Leu Val Ala Pro His Ser Val Phe Arg Thr Asn Ala Pro
 1 5 10 15

Gly Pro Thr Pro Ser Ser Gln Ser Ser Pro Val Phe Pro Val Phe Pro
 20 25 30

Val Ser Phe Met Ala Leu Ile Val Cys Xaa Leu Val Cys Cys
 35 40 45

<210> 1059

<211> 134

<212> PRT

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<213> Homo sapiens

<220>

<221> SITE

<222> (130)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1059

Met Ala Ser Ser Val Pro Ala Gly Gly His Thr Arg Ala Gly Gly Ile
1 5 10 15

Phe Leu Ile Gly Lys Leu Asp Leu Glu Ala Ser Leu Phe Lys Ser Phe
20 25 30

Gln Trp Leu Pro Phe Val Leu Arg Lys Lys Cys Asn Phe Phe Cys Trp
35 40 45

Asp Ser Ser Ala His Ser Leu Pro Leu His Pro Leu Ser Ala Ser Cys
50 55 60

Ser Ala Pro Ala Cys His Ala Ser Asp Thr His Leu Leu Tyr Pro Ser
65 70 75 80

Thr Arg Ala Leu Cys Pro Ser Ile Phe Ala Trp Leu Val Ala Pro His
85 90 95

Ser Val Phe Arg Thr Asn Ala Pro Gly Pro Thr Pro Ser Ser Gln Ser
100 105 110

Ser Pro Val Phe Pro Val Phe Pro Val Ser Phe Met Ala Leu Ile Val
115 120 125

Cys Xaa Leu Val Cys Cys
130

<210> 1060

<211> 118

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (112)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1060

Leu Val Asn Trp Ile Leu Lys Leu His Cys Leu Asn Leu Phe Ser Gly
1 5 10 15

Phe Pro Leu Tyr Leu Glu Lys Asn Ala Thr Ser Ser Ala Gly Thr His
20 25 30

Pro Leu Thr Ala Phe Pro Ser Thr Leu Ser Leu Pro His Ala Leu Pro
35 40 45

Leu Pro Ala Met Pro Pro Ile Leu Thr Phe Cys Thr Pro Ala Pro Val
50 55 60

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Pro Ser Ala Pro Arg Ser Leu Pro Gly Trp Leu Leu Leu Thr Gln Cys
65 70 75 80

Ser Gly Gln Met Leu Leu Ala Leu Pro His Leu Ala Ser Leu Ala Arg
85 90 95

Ser Ser Leu Ser Ser Leu Phe His Ser Trp Leu Leu Leu Phe Val Xaa
100 105 110

Leu Cys Ala Val Asp Phe
115

<210> 1061

<211> 23

<212> PRT

<213> Homo sapiens

<400> 1061

Asn Leu Phe Ser Gly Phe Pro Leu Tyr Leu Glu Lys Asn Ala Thr Ser
1 5 10 15

Ser Ala Gly Thr His Pro Leu
20

<210> 1062

<211> 21

<212> PRT

<213> Homo sapiens

<400> 1062

Pro His Leu Ala Ser Leu Ala Arg Ser Ser Leu Ser Ser Leu Phe His
1 5 10 15

Ser Trp Leu Leu Leu
20

<210> 1063

<211> 286

<212> PRT

<213> Homo sapiens

<400> 1063

Met Ala Met Glu Gly Tyr Trp Arg Phe Leu Ala Leu Leu Gly Ser Ala
1 5 10 15

Leu Leu Val Gly Phe Leu Ser Val Ile Phe Ala Leu Val Trp Val Leu
20 25 30

His Tyr Arg Glu Gly Leu Gly Trp Asp Gly Ser Ala Leu Glu Phe Asn
35 40 45

Trp His Pro Val Leu Met Val Thr Gly Phe Val Phe Ile Gln Gly Ile
50 55 60

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Ala Ile Ile Val Tyr Arg Leu Pro Trp Thr Trp Lys Cys Ser Lys Leu
65 70 75 80

Leu Met Lys Ser Ile His Ala Gly Leu Asn Ala Val Ala Ala Ile Leu
85 90 95

Ala Ile Ile Ser Val Val Ala Val Phe Glu Asn His Asn Val Asn Asn
100 105 110

Ile Ala Asn Met Tyr Ser Leu His Ser Trp Val Gly Leu Ile Ala Val
115 120 125

Ile Cys Tyr Leu Leu Gln Leu Leu Ser Gly Phe Ser Val Phe Leu Leu
130 135 140

Pro Trp Ala Pro Leu Ser Leu Arg Ala Phe Leu Met Pro Ile His Val
145 150 155 160

Tyr Ser Gly Ile Val Ile Phe Gly Thr Val Ile Ala Thr Ala Leu Met
165 170 175

Gly Leu Thr Glu Lys Leu Ile Phe Ser Leu Arg Asp Pro Ala Tyr Ser
180 185 190

Thr Phe Pro Pro Glu Gly Val Phe Val Asn Thr Leu Gly Leu Leu Ile
195 200 205

Leu Val Phe Gly Ala Leu Ile Phe Trp Ile Val Thr Arg Pro Gln Trp
210 215 220

Lys Arg Pro Lys Glu Pro Asn Ser Thr Ile Leu His Pro Asn Gly Gly
225 230 235 240

Thr Glu Gln Gly Ala Arg Gly Ser Met Pro Ala Tyr Ser Gly Asn Asn
245 250 255

Met Asp Lys Ser Asp Ser Glu Leu Asn Ser Glu Val Ala Ala Arg Lys
260 265 270

Arg Asn Leu Ala Leu Asp Glu Ala Gly Gln Arg Ser Thr Met
275 280 285

<210> 1064

<211> 16

<212> PRT

<213> Homo sapiens

<400> 1064

Ala His Ala Ser Ala His Ala Ser Gly Gly Ala Glu Tyr Gly Ala Leu
1 5 10 15

<210> 1065

<211> 116

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<212> PRT
<213> Homo sapiens

<400> 1065

Gln Tyr Ser Gln Tyr Val Gln Ser Ala Gln Leu Gly Trp Thr Asp Ser
1 5 10 15
Cys His Met Leu Phe Val Thr Ala Ser Phe Arg Phe Phe Ser Leu Ser
20 25 30
Ala Ser Met Gly Ser Ala Phe Ser Pro Ser Ile Ser His Ala His Thr
35 40 45
Cys Leu Phe Trp Asn Cys His Leu Trp Asn Ser Asp Cys Asn Ser Thr
50 55 60
Tyr Gly Ile Asp Arg Glu Thr Asp Phe Phe Pro Glu Arg Ser Cys Ile
65 70 75 80
Gln Tyr Ile Pro Ala Arg Arg Cys Phe Arg Lys Tyr Ala Trp Pro Ser
85 90 95
Asp Pro Gly Val Arg Gly Pro His Phe Leu Asp Ser His Gln Thr Ala
100 105 110
Met Glu Thr Ser
115

<210> 1066
<211> 34
<212> PRT
<213> Homo sapiens

<400> 1066

Ala Ser Met Gly Ser Ala Phe Ser Pro Ser Ile Ser His Ala His Thr
1 5 10 15
Cys Leu Phe Trp Asn Cys His Leu Trp Asn Ser Asp Cys Asn Ser Thr
20 25 30
Tyr Gly

<210> 1067
<211> 119
<212> PRT
<213> Homo sapiens

<400> 1067

Phe Val His Val Val Ala Arg Val Gly Trp His Gly Thr Ser Cys Ser
1 5 10 15
Leu Phe Ser Ala Ser Ile Trp Met Lys Asn Gly Arg Ile Trp Leu Leu
20 25 30
Arg Thr Phe Pro Leu Arg Ser Gly Asp Tyr Pro Lys Asn Glu Gly Pro

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35 40 45
 Glu His Gln Asp Gln Lys Ala Lys Arg Ile Tyr Glu Asn Thr Phe Trp
 50 55 60
 Arg Glu Cys Thr Val Cys Arg Ile Ser Gln Gly Lys Asn Gln Phe Leu
 65 70 75 80
 Cys Gln Ser His Lys Cys Cys Cys Asn His Cys Ser Lys Asp Asp Asn
 85 90 95
 Ser Arg Ile Asn Met Tyr Gly His Glu Lys Cys Ser Glu Arg Lys Arg
 100 105 110
 Ser Pro Trp Lys Gln Lys Asp
 115

<210> 1068
 <211> 32
 <212> PRT
 <213> Homo sapiens

<400> 1068
 Ala Ser Ile Trp Met Lys Asn Gly Arg Ile Trp Leu Leu Arg Thr Phe
 1 5 10 15
 Pro Leu Arg Ser Gly Asp Tyr Pro Lys Asn Glu Gly Pro Glu His Gln
 20 25 30

<210> 1069
 <211> 43
 <212> PRT
 <213> Homo sapiens

<400> 1069
 Pro Gly Arg Ala Gly Pro Ser Pro Gly Leu Ser Leu Gln Leu Pro Ala
 1 5 10 15
 Glu Pro Gly His Pro Ala Gly Asn Leu Ala Pro Leu Thr Ser Arg Pro
 20 25 30
 Gln Pro Leu Cys Arg Ile Pro Ala Val Pro Gly
 35 40

<210> 1070
 <211> 42
 <212> PRT
 <213> Homo sapiens

<400> 1070
 Ala Arg Gly Arg Arg Arg Gly Arg Leu Glu Leu Trp Glu Leu Cys Leu
 1 5 10 15

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Pro Leu Gly Cys Arg Arg Arg Arg Ser Leu Thr Met Ala Pro Gln Ser
 20 25 30

Leu Pro Ser Ser Arg Met Ala Pro Leu Gly
 35 40

<210> 1071

<211> 351

<212> PRT

<213> Homo sapiens

<400> 1071

Asn Gly Gln Ala Ser Thr Ala Lys Met Ser Ser Cys Leu Arg Ser Pro
 1 5 10 15

Pro Thr Leu Ala Pro Leu Ser Leu Thr Ser Gly Ile Pro Val Gln Ser
 20 25 30

Trp Cys Gly Ala Ser Ser Gln Leu Leu Gln Gln Ala Val Asp Arg Ala
 35 40 45

Gln Gln Leu Leu Glu Val Ala Leu Val Leu Thr Ile Leu Gln Leu Gln
 50 55 60

Ala Gly Gln His Leu Val Leu Ser Leu Gln Ala Gly Gln Cys Pro Ala
 65 70 75 80

Glu Leu Gly Val Leu Thr Val Ala Val Pro Ala Gly Gly Gln Glu Asp
 85 90 95

Ala Gln Cys Leu Gln His Leu Leu Thr Gly Ile Met Leu Gly Gln Arg
 100 105 110

Gln Glu Val Gly Arg Asp Leu Ala Pro Ala Leu Phe Pro Gln Ala Trp
 115 120 125

Gln Glu Val Tyr Leu Ala Ile Leu Leu Gln Leu Leu Trp Gly His Leu
 130 135 140

Leu Gly Gln Leu Ser Leu Leu Leu Gly Glu His Leu Leu Arg Asp Gln
 145 150 155 160

Val Val Glu Gln Cys Asp His Ala His Gly Glu His Leu Arg Ala Leu
 165 170 175

Leu Leu His Gln Gly Pro Gln Asp Leu Gln Pro Pro Glu Leu Gln Glu
 180 185 190

Leu Pro Leu Gly Ile Gly Glu Val Ala Gln Gln Gly Ala Gln Cys Lys
 195 200 205

Gln Asp Leu Leu Leu Cys Ser Glu Arg Leu Leu Arg Gly Gln Asp Asp
 210 215 220

Gln Gln Leu Leu Gln Gly Ser Pro Phe Asp Gly Leu His Leu Asp Leu
 225 230 235 240

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<400> 1074

Gly Ser Pro Phe Asp Gly Leu His Leu Asp Leu Gly Val Ala Gly Lys
 1 5 10 15

Gly Ser Ala Gln His Lys Arg Ser Ile Leu Leu His Glu Gly Leu Cys
 20 25 30

<210> 1075

<211> 30

<212> PRT

<213> Homo sapiens

<400> 1075

His Leu Met Asp Ile Ile Phe Lys Ile Lys Glu Arg Ser Asn Leu Leu
 1 5 10 15

Phe Gln Thr Gly Ala Gly Thr Ile Glu Leu Val Asp Gln Pro
 20 25 30

<210> 1076

<211> 126

<212> PRT

<213> Homo sapiens

<400> 1076

Asp Glu Pro Cys Pro Pro Pro Ala Ala Ser Cys Ala Pro Pro Ser Trp
 1 5 10 15

Arg Met Glu Leu Arg Thr Gly Ser Val Gly Ser Gln Ala Val Ala Arg
 20 25 30

Arg Met Asp Gly Asp Ser Arg Asp Gly Gly Gly Gly Lys Asp Ala Thr
 35 40 45

Gly Ser Glu Asp Tyr Glu Asn Leu Pro Thr Ser Ala Ser Val Ser Thr
 50 55 60

His Met Thr Ala Gly Ala Met Ala Gly Ile Leu Glu His Ser Val Met
 65 70 75 80

Tyr Pro Val Asp Ser Val Lys Thr Arg Met Gln Ser Leu Ser Pro Asp
 85 90 95

Pro Lys Ala Gln Tyr Thr Ser Ile Tyr Gly Ala Leu Lys Lys Ile Met
 100 105 110

Arg Thr Glu Ala Ser Gly Gly Pro Cys Glu Ala Ser Thr Ser
 115 120 125

<210> 1077

<211> 34

<212> PRT

<213> Homo sapiens

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<400> 1077

Arg Met Glu Leu Arg Thr Gly Ser Val Gly Ser Gln Ala Val Ala Arg
 1 5 10 15

Arg Met Asp Gly Asp Ser Arg Asp Gly Gly Gly Gly Lys Asp Ala Thr
 20 25 30

Gly Ser

<210> 1078

<211> 27

<212> PRT

<213> Homo sapiens

<400> 1078

Pro Val Asp Ser Val Lys Thr Arg Met Gln Ser Leu Ser Pro Asp Pro
 1 5 10 15

Lys Ala Gln Tyr Thr Ser Ile Tyr Gly Ala Leu
 20 25

<210> 1079

<211> 424

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (152)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (314)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (359)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1079

Met Lys Leu Leu Gly Glu Cys Ser Ser Ser Ile Asp Ser Val Lys Arg
 1 5 10 15

Leu Glu His Lys Leu Lys Glu Glu Glu Glu Ser Leu Pro Gly Phe Val
 20 25 30

Asn Leu His Ser Thr Glu Thr Gln Thr Ala Gly Val Ile Asp Arg Trp
 35 40 45

Glu Leu Leu Gln Ala Gln Ala Leu Ser Lys Glu Leu Arg Met Lys Gln
 50 55 60

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Asn Leu Gln Lys Trp Gln Gln Phe Asn Ser Asp Leu Asn Ser Ile Trp
 65 70 75 80
 Ala Trp Leu Gly Asp Thr Glu Glu Glu Leu Glu Gln Leu Gln Arg Leu
 85 90 95
 Glu Leu Ser Thr Asp Ile Gln Thr Ile Glu Leu Gln Ile Lys Lys Leu
 100 105 110
 Lys Glu Leu Gln Lys Ala Val Asp His Arg Lys Ala Ile Ile Leu Ser
 115 120 125
 Ile Asn Leu Cys Ser Pro Glu Phe Thr Gln Ala Asp Ser Lys Glu Ser
 130 135 140
 Arg Asp Leu Gln Asp Arg Leu Xaa Gln Met Asn Gly Arg Trp Asp Arg
 145 150 155 160
 Val Cys Ser Leu Leu Glu Glu Trp Arg Gly Leu Leu Gln Asp Ala Leu
 165 170 175
 Met Gln Cys Gln Gly Phe His Glu Met Ser His Gly Leu Leu Leu Met
 180 185 190
 Leu Glu Asn Ile Asp Arg Arg Lys Asn Glu Ile Val Pro Ile Asp Ser
 195 200 205
 Asn Leu Asp Ala Glu Ile Leu Gln Asp His His Lys Gln Leu Met Gln
 210 215 220
 Ile Lys His Glu Leu Leu Glu Ser Gln Leu Arg Val Ala Ser Leu Gln
 225 230 235 240
 Asp Met Ser Cys Gln Leu Leu Val Asn Ala Glu Gly Thr Asp Cys Leu
 245 250 255
 Glu Ala Lys Glu Lys Val His Val Ile Gly Asn Arg Leu Lys Leu Leu
 260 265 270
 Leu Lys Glu Val Ser Arg His Ile Lys Glu Leu Glu Lys Leu Leu Asp
 275 280 285
 Val Ser Ser Ser Gln Gln Asp Leu Ser Ser Trp Ser Ser Ala Asp Glu
 290 295 300
 Leu Asp Thr Ser Gly Ser Val Ser Pro Xaa Ser Gly Arg Ser Thr Pro
 305 310 315 320
 Asn Arg Gln Lys Thr Pro Arg Gly Lys Cys Ser Leu Ser Gln Pro Gly
 325 330 335
 Pro Ser Val Ser Ser Pro His Ser Arg Ser Thr Lys Gly Gly Ser Asp
 340 345 350
 Ser Ser Leu Ser Glu Pro Xaa Pro Gly Arg Ser Gly Arg Gly Phe Leu
 355 360 365
 Phe Arg Val Leu Arg Ala Ala Leu Pro Leu Gln Leu Leu Leu Leu

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370

375

380

Leu Ile Gly Leu Ala Cys Leu Val Pro Met Ser Glu Glu Asp Tyr Ser
 385 390 395 400

Cys Ala Leu Ser Asn Asn Phe Ala Arg Ser Phe His Pro Met Leu Arg
 405 410 415

Tyr Thr Asn Gly Pro Pro Pro Leu
 420

<210> 1080

<211> 110

<212> PRT

<213> Homo sapiens

<400> 1080

Met Lys Leu Leu Gly Glu Cys Ser Ser Ser Ile Asp Ser Val Lys Arg
 1 5 10 15

Leu Glu His Lys Leu Lys Glu Glu Glu Glu Ser Leu Pro Gly Phe Val
 20 25 30

Asn Leu His Ser Thr Glu Thr Gln Thr Ala Gly Val Ile Asp Arg Trp
 35 40 45

Glu Leu Leu Gln Ala Gln Ala Leu Ser Lys Glu Leu Arg Met Lys Gln
 50 55 60

Asn Leu Gln Lys Trp Gln Gln Phe Asn Ser Asp Leu Asn Ser Ile Trp
 65 70 75 80

Ala Trp Leu Gly Asp Thr Glu Glu Glu Leu Glu Gln Leu Gln Arg Leu
 85 90 95

Glu Leu Ser Thr Asp Ile Gln Thr Ile Glu Leu Gln Ile Lys
 100 105 110

<210> 1081

<211> 136

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (42)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1081

Lys Leu Lys Glu Leu Gln Lys Ala Val Asp His Arg Lys Ala Ile Ile
 1 5 10 15

Leu Ser Ile Asn Leu Cys Ser Pro Glu Phe Thr Gln Ala Asp Ser Lys
 20 25 30

Glu Ser Arg Asp Leu Gln Asp Arg Leu Xaa Gln Met Asn Gly Arg Trp

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35 40 45
 Asp Arg Val Cys Ser Leu Leu Glu Glu Trp Arg Gly Leu Leu Gln Asp
 50 55 60
 Ala Leu Met Gln Cys Gln Gly Phe His Glu Met Ser His Gly Leu Leu
 65 70 75 80
 Leu Met Leu Glu Asn Ile Asp Arg Arg Lys Asn Glu Ile Val Pro Ile
 85 90 95
 Asp Ser Asn Leu Asp Ala Glu Ile Leu Gln Asp His His Lys Gln Leu
 100 105 110
 Met Gln Ile Lys His Glu Leu Leu Glu Ser Gln Leu Arg Val Ala Ser
 115 120 125
 Leu Gln Asp Met Ser Cys Gln Leu
 130 135

<210> 1082

<211> 105

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (75)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1082

Gln Asp Met Ser Cys Gln Leu Leu Val Asn Ala Glu Gly Thr Asp Cys
 1 5 10 15

Leu Glu Ala Lys Glu Lys Val His Val Ile Gly Asn Arg Leu Lys Leu
 20 25 30

Leu Leu Lys Glu Val Ser Arg His Ile Lys Glu Leu Glu Lys Leu Leu
 35 40 45

Asp Val Ser Ser Ser Gln Gln Asp Leu Ser Ser Trp Ser Ser Ala Asp
 50 55 60

Glu Leu Asp Thr Ser Gly Ser Val Ser Pro Xaa Ser Gly Arg Ser Thr
 65 70 75 80

Pro Asn Arg Gln Lys Thr Pro Arg Gly Lys Cys Ser Leu Ser Gln Pro
 85 90 95

Gly Pro Ser Val Ser Ser Pro His Ser
 100 105

<210> 1083

<211> 73

<212> PRT

<213> Homo sapiens

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<220>

<221> SITE

<222> (8)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1083

Asp Ser Ser Leu Ser Glu Pro Xaa Pro Gly Arg Ser Gly Arg Gly Phe
 1 5 10 15

Leu Phe Arg Val Leu Arg Ala Ala Leu Pro Leu Gln Leu Leu Leu Leu
 20 25 30

Leu Leu Ile Gly Leu Ala Cys Leu Val Pro Met Ser Glu Glu Asp Tyr
 35 40 45

Ser Cys Ala Leu Ser Asn Asn Phe Ala Arg Ser Phe His Pro Met Leu
 50 55 60

Arg Tyr Thr Asn Gly Pro Pro Pro Leu
 65 70

<210> 1084

<211> 60

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (10)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1084

Gln Arg Phe Leu Pro Pro Gly Ser Cys Xaa Leu Ile Arg Gly Pro Gln
 1 5 10 15

Cys Pro Arg Val Thr Asp Pro Thr Thr Gly Gln Ser Leu Asp Asp Ser
 20 25 30

Arg Phe Gln Ile Gln Gln Thr Glu Asn Ile Ile Arg Ser Lys Thr Pro
 35 40 45

Thr Gly Pro Glu Leu Asp Thr Ser Tyr Lys Gly Tyr
 50 55 60

<210> 1085

<211> 215

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (64)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1085

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Ser Ile Ser Ala Ser Arg Leu Glu Ser Ile Gly Thr Ile Ser Phe Phe
 1 5 10 15
 Leu Leu Ser Met Phe Ser Ser Ile Arg Ser Lys Pro Trp Leu Ile Ser
 20 25 30
 Trp Lys Pro Trp His Cys Ile Arg Ala Ser Cys Ser Arg Pro Arg His
 35 40 45
 Ser Ser Ser Arg Glu His Thr Arg Ser Gln Arg Pro Phe Ile Cys Xaa
 50 55 60
 Lys Arg Ser Cys Arg Ser Arg Leu Ser Leu Leu Ser Ala Trp Val Asn
 65 70 75 80
 Ser Gly Leu Gln Arg Leu Met Glu Arg Met Met Ala Leu Arg Trp Ser
 85 90 95
 Thr Ala Phe Trp Ser Ser Leu Ser Phe Leu Ile Trp Ser Ser Met Val
 100 105 110
 Trp Met Ser Val Leu Ser Ser Arg Arg Trp Ser Cys Ser Asn Ser Ser
 115 120 125
 Ser Val Ser Pro Ser Gln Ala Gln Met Leu Phe Lys Ser Glu Leu Asn
 130 135 140
 Cys Cys His Phe Trp Arg Phe Cys Phe Ile Leu Asn Ser Leu Leu Asn
 145 150 155 160
 Ala Trp Ala Trp Arg Ser Ser His Arg Ser Ile Thr Pro Ala Val Trp
 165 170 175
 Val Ser Val Leu Cys Arg Leu Thr Lys Pro Gly Arg Leu Ser Ser Ser
 180 185 190
 Ser Phe Ser Leu Cys Ser Ser Leu Phe Thr Glu Ser Ile Leu Leu Leu
 195 200 205
 His Ser Pro Ser Ser Phe Met
 210 215

<210> 1086

<211> 35

<212> PRT

<213> Homo sapiens

<400> 1086

Thr Ala Phe Trp Ser Ser Leu Ser Phe Leu Ile Trp Ser Ser Met Val
 1 5 10 15
 Trp Met Ser Val Leu Ser Ser Arg Arg Trp Ser Cys Ser Asn Ser Ser
 20 25 30
 Ser Val Ser
 35

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<210> 1087
 <211> 26
 <212> PRT
 <213> Homo sapiens

<400> 1087
 Leu Leu Asn Ala Trp Ala Trp Arg Ser Ser His Arg Ser Ile Thr Pro
 1 5 10 15
 Ala Val Trp Val Ser Val Leu Cys Arg Leu
 20 25

<210> 1088
 <211> 171
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (94)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 1088
 Leu Ala Arg His Val Leu Gln Arg Gly Tyr Ser Glu Leu Gly Phe Gln
 1 5 10 15
 Gln Leu Met Leu Tyr Leu His Lys Leu Phe Val Met Val Leu Lys Tyr
 20 25 30
 Leu Cys Ile Lys Val Arg Ile Asn Arg Asp Asn Phe Ile Phe Pro Ser
 35 40 45
 Val Asn Val Leu Gln His Lys Lys Gln Thr Met Ala His Phe Met Glu
 50 55 60
 Thr Leu Ala Leu His Gln Gly Ile Leu Gln Gln Ala Pro Pro Leu Leu
 65 70 75 80
 Gln Gln Arg Ala His Ser Val Pro Ala Pro Ile His Leu Xaa Gln Ala
 85 90 95
 Ile Leu Gln Val Pro Ala Leu Leu Ala Val Ser Leu Gly Glu Leu Arg
 100 105 110
 Ala Ala Glu Ile Asp Gly Glu Asp Asp Gly Phe Ala Val Val His Ser
 115 120 125
 Phe Leu Glu Leu Leu Glu Leu Phe Asp Leu Glu Leu Asp Gly Leu Asp
 130 135 140
 Val Ser Ala Glu Phe Gln Thr Leu Glu Leu Phe Gln Leu Leu Leu Arg
 145 150 155 160
 Val Pro Gln Pro Gly Pro Asp Ala Val Gln Val
 165 170

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<210> 1089
 <211> 28
 <212> PRT
 <213> Homo sapiens

<400> 1089
 Tyr Ser Glu Leu Gly Phe Gln Gln Leu Met Leu Tyr Leu His Lys Leu
 1 5 10 15
 Phe Val Met Val Leu Lys Tyr Leu Cys Ile Lys Val
 20 25

<210> 1090
 <211> 29
 <212> PRT
 <213> Homo sapiens

<400> 1090
 Val His Ser Phe Leu Glu Leu Leu Glu Leu Phe Asp Leu Glu Leu Asp
 1 5 10 15
 Gly Leu Asp Val Ser Ala Glu Phe Gln Thr Leu Glu Leu
 20 25

<210> 1091
 <211> 15
 <212> PRT
 <213> Homo sapiens

<400> 1091
 Ala Met Val Cys Phe Leu Cys Trp Arg Thr Leu Thr Glu Gly Lys
 1 5 10 15

<210> 1092
 <211> 97
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (73)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 1092
 Gly Ala Gly Val Gly Thr Ala Met Pro Arg Val Pro Gln Ser Ala Gly
 1 5 10 15
 Gly Ala Val Thr Trp Trp Gly Val Gly Leu Ser Gln Pro Ser Ser Val
 20 25 30
 Gln Gly Gly Ala Arg Pro Gly Thr Val Pro Gly Thr Pro Gly Pro Leu
 35 40 45
 Pro Gly Leu Ser Pro Ala Pro Pro Pro Gln His Pro Pro Pro Leu Pro

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50

55

60

Lys Leu Phe Leu Leu Cys Leu Ser Xaa Ser Leu Pro Gln Asp Phe Ser
65 70 75 80

Leu Leu Leu Cys Leu Ser Leu Asp Pro Cys Pro Ser Ser Thr Ser Asp
85 90 95

Leu

<210> 1093

<211> 30

<212> PRT

<213> Homo sapiens

<400> 1093

Gly Thr Val Pro Gly Thr Pro Gly Pro Leu Pro Gly Leu Ser Pro Ala
1 5 10 15

Pro Pro Pro Gln His Pro Pro Pro Leu Pro Lys Leu Phe Leu
20 25 30

<210> 1094

<211> 158

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (83)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (136)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1094

Ala Pro Ser Arg Cys Arg Arg Ser Val Val Gln Val Pro Tyr Ser Ala
1 5 10 15

Phe Ser Ser Cys Ser Trp Thr Pro Thr Ala Leu Arg Arg Gly Val Leu
20 25 30

Leu Tyr Ala Gly Leu Ser Thr Ser Ser Ala Ser Lys Ala Gln Gly Trp
35 40 45

His Cys Leu Gly Leu Glu Tyr Pro Ser Gly Ala Ile Met Glu Val Arg
50 55 60

Gly Arg Gly Gly Asp Arg Tyr Ala Gln Gly Pro Ser Lys Cys Trp Arg
65 70 75 80

Gly Cys Xaa Leu Val Gly Ser Gly Ser Val Thr Ala Ile Leu Cys Pro
85 90 95

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Gly Trp Gly Lys Ala Trp Asp Ser Ala Arg His Pro Arg Thr Pro Ser
 100 105 110

Arg Leu Val Ser Cys Ser Thr Ala Ser Thr Pro Pro Thr Pro Ala Gln
 115 120 125

Ala Val Ser Pro Leu Pro Leu Xaa Phe Pro Ala Pro Gly Leu Leu Ser
 130 135 140

Ser Pro Leu Pro Leu Leu Gly Pro Leu Pro Phe Leu Tyr Leu
 145 150 155

<210> 1095
 <211> 37
 <212> PRT
 <213> Homo sapiens

<400> 1095
 Thr Ala Leu Arg Arg Gly Val Leu Leu Tyr Ala Gly Leu Ser Thr Ser
 1 5 10 15

Ser Ala Ser Lys Ala Gln Gly Trp His Cys Leu Gly Leu Glu Tyr Pro
 20 25 30

Ser Gly Ala Ile Met
 35

<210> 1096
 <211> 33
 <212> PRT
 <213> Homo sapiens

<400> 1096
 Ala Ile Leu Cys Pro Gly Trp Gly Lys Ala Trp Asp Ser Ala Arg His
 1 5 10 15

Pro Arg Thr Pro Ser Arg Leu Val Ser Cys Ser Thr Ala Ser Thr Pro
 20 25 30

Pro

<210> 1097
 <211> 112
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (11)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE

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<222> (28)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (67)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1097

Pro Pro Val Phe Met Ala Ser His Arg Pro Xaa Gly Met Glu Pro Gly
 1 5 10 15

Glu Trp Arg Phe Val Leu Val His Ile Ala Phe Xaa Cys Ala Trp Asp
 20 25 30

Leu Val Cys Glu His Val Ser Val Cys Ser Gln Val Arg Gly Arg Gly
 35 40 45

Arg Ala Gly Val Gln Gly Glu Ala Glu Glu Lys Arg Glu Val Leu Gly
 50 55 60

Gln Gly Xaa Arg Glu Ala Glu Glu Lys Gln Leu Gly Gln Gly Trp Gly
 65 70 75 80

Val Leu Arg Arg Trp Ser Arg Arg Gln Ala Trp Lys Gly Ser Trp Gly
 85 90 95

Ala Trp His Cys Pro Arg Pro Cys Pro Thr Leu Asp Arg Gly Trp Leu
 100 105 110

<210> 1098

<211> 29

<212> PRT

<213> Homo sapiens

<400> 1098

His Val Ser Val Cys Ser Gln Val Arg Gly Arg Gly Arg Ala Gly Val
 1 5 10 15

Gln Gly Glu Ala Glu Glu Lys Arg Glu Val Leu Gly Gln
 20 25

<210> 1099

<211> 56

<212> PRT

<213> Homo sapiens

<400> 1099

Met Lys Leu Leu Ile Cys Gly Asn Tyr Leu Ala Pro Ser His Ser Glu
 1 5 10 15

Ser Ser Arg Arg Cys Cys Leu Leu Cys Phe Tyr Pro Leu Cys Leu Glu
 20 25 30

10004850.120701

Ile Asn Phe Gly Met Lys Val Phe Leu Ser Met Pro Phe Leu Val Leu
 35 40 45

Phe Gln Ser Leu Ile Gln Glu Asp
 50 55

<210> 1100
 <211> 50
 <212> PRT
 <213> Homo sapiens

<400> 1100
 Phe Ser Ser Pro Gln Gly Leu Lys Phe Arg Ser Lys Ser Ser Leu Ala
 1 5 10 15

Asn Tyr Leu His Lys Asn Gly Glu Thr Ser Leu Lys Pro Glu Asp Phe
 20 25 30

Asp Phe Thr Val Leu Ser Lys Arg Gly Ile Lys Ser Arg Tyr Lys Asp
 35 40 45

Cys Ser
 50

<210> 1101
 <211> 137
 <212> PRT
 <213> Homo sapiens

<400> 1101
 Glu Leu Leu Cys Tyr Ile Cys Trp Lys Asn Thr Gly Leu Phe Ser Phe
 1 5 10 15

Phe Leu Ser Val Phe Arg Gly Met Val Ser Ser Val Lys Ser Phe Leu
 20 25 30

Val Gly Glu Gln Leu Leu Ser Ile Ser Glu Pro Arg Phe Lys Met Ser
 35 40 45

Val Cys Lys Cys Ser Phe Leu Ser Thr Thr Ser Thr Phe Val Pro Ile
 50 55 60

Ser Ser Asp Ser Lys Lys Val Ser Ser Tyr Phe Ser Leu Cys Ser Glu
 65 70 75 80

Ser Leu Ala Glu Gln Asn Leu Phe Met Met Pro Glu Val Phe Cys Ser
 85 90 95

Glu Gln Lys Phe Asp Pro Glu Leu Asn Asp Leu Ser Phe Phe Phe Thr
 100 105 110

Arg Leu Phe Ser Ser Leu Val Thr Leu Arg Val Ser Pro His Ala Pro
 115 120 125

Ala Ser Glu Met Gln Thr Val Leu Ser

10004860.120704

130

135

<210> 1102
 <211> 36
 <212> PRT
 <213> Homo sapiens

<400> 1102
 Thr Phe Val Pro Ile Ser Ser Asp Ser Lys Lys Val Ser Ser Tyr Phe
 1 5 10 15

Ser Leu Cys Ser Glu Ser Leu Ala Glu Gln Asn Leu Phe Met Met Pro
 20 25 30

Glu Val Phe Cys
 35

<210> 1103
 <211> 271
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (112)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (231)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 1103
 Arg Ile Leu Leu Val Lys Tyr Ser Ala Asn Glu Glu Asn Lys Tyr Asp
 1 5 10 15

Tyr Leu Pro Thr Thr Val Asn Val Cys Ser Glu Leu Val Lys Leu Val
 20 25 30

Phe Cys Val Leu Val Ser Phe Cys Val Ile Lys Lys Asp His Gln Ser
 35 40 45

Arg Asn Leu Lys Tyr Ala Ser Trp Lys Glu Phe Ser Asp Phe Met Lys
 50 55 60

Trp Ser Ile Pro Ala Phe Leu Tyr Phe Leu Asp Asn Leu Ile Val Phe
 65 70 75 80

Tyr Val Leu Ser Tyr Leu Gln Pro Ala Met Ala Val Ile Phe Ser Asn
 85 90 95

Phe Ser Ile Ile Thr Thr Ala Leu Leu Phe Arg Ile Val Leu Lys Xaa
 100 105 110

Arg Leu Asn Trp Ile Gln Trp Ala Ser Leu Leu Thr Leu Phe Leu Ser
 115 120 125

1000450-120701

Ile Val Ala Leu Thr Ala Gly Thr Lys Thr Leu Gln His Asn Leu Ala
130 135 140

Gly Arg Gly Phe His His Asp Ala Phe Phe Ser Pro Ser Asn Ser Cys
145 150 155 160

Leu Leu Phe Arg Asn Glu Cys Pro Arg Lys Asp Asn Cys Thr Ala Lys
165 170 175

Glu Trp Thr Phe Pro Glu Ala Lys Trp Asn Thr Thr Ala Arg Val Phe
180 185 190

Ser His Ile Arg Leu Gly Met Gly His Val Leu Ile Ile Val Gln Cys
195 200 205

Phe Ile Ser Ser Met Ala Asn Ile Tyr Asn Glu Lys Ile Leu Lys Glu
210 215 220

Gly Asn Gln Leu Thr Glu Xaa Ile Phe Ile Gln Asn Ser Lys Leu Tyr
225 230 235 240

Phe Phe Gly Ile Leu Phe Asn Gly Leu Thr Leu Gly Leu Gln Arg Ser
245 250 255

Asn Arg Asp Gln Ile Lys Asn Cys Gly Phe Phe Tyr Gly His Ser
260 265 270

<210> 1104

<211> 30

<212> PRT

<213> Homo sapiens

<400> 1104

Thr Val Asn Val Cys Ser Glu Leu Val Lys Leu Val Phe Cys Val Leu
1 5 10 15

Val Ser Phe Cys Val Ile Lys Lys Asp His Gln Ser Arg Asn
20 25 30

<210> 1105

<211> 31

<212> PRT

<213> Homo sapiens

<400> 1105

Leu Ile Val Phe Tyr Val Leu Ser Tyr Leu Gln Pro Ala Met Ala Val
1 5 10 15

Ile Phe Ser Asn Phe Ser Ile Ile Thr Thr Ala Leu Leu Phe Arg
20 25 30

<210> 1106

<211> 27

<212> PRT

10004860-120701

<213> Homo sapiens

<400> 1106

Phe Phe Ser Pro Ser Asn Ser Cys Leu Leu Phe Arg Asn Glu Cys Pro
1 5 10 15

Arg Lys Asp Asn Cys Thr Ala Lys Glu Trp Thr
20 25

<210> 1107

<211> 28

<212> PRT

<213> Homo sapiens

<400> 1107

Tyr Phe Phe Gly Ile Leu Phe Asn Gly Leu Thr Leu Gly Leu Gln Arg
1 5 10 15

Ser Asn Arg Asp Gln Ile Lys Asn Cys Gly Phe Phe
20 25

<210> 1108

<211> 94

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (25)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1108

Asn Ser Val Pro Asn Leu Gln Thr Leu Ala Val Leu Thr Glu Ala Ile
1 5 10 15

Gly Pro Glu Pro Ala Ile Pro Arg Xaa Pro Arg Glu Pro Pro Val Ala
20 25 30

Thr Ser Thr Pro Ala Thr Pro Ser Ala Gly Pro Gln Pro Leu Pro Thr
35 40 45

Gly Thr Val Leu Val Pro Gly Gly Pro Ala Pro Pro Cys Leu Gly Glu
50 55 60

Ala Trp Ala Leu Leu Leu Pro Pro Cys Arg Pro Ser Leu Thr Ser Cys
65 70 75 80

Phe Trp Ser Pro Arg Pro Ser Pro Trp Lys Glu Thr Gly Val
85 90

<210> 1109

<211> 64

<212> PRT

<213> Homo sapiens

10004360-120700

<220>
 <221> SITE
 <222> (53)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 1109
 Val Thr Ala Gly Arg Val Gly Gly Gly Gly Pro Met Pro Pro Gln Gly
 1 5 10 15
 Lys Val Gly Gln Asp Pro Gln Gly Pro Ala Arg Ser Arg Leu Gly Gly
 20 25 30
 Ala Gly Ala Arg Gln Arg Val Trp Gln Val Trp Thr Trp Gln Gln Ala
 35 40 45
 Ala Pro Gly Gly Xaa Gly Gly Trp Arg Ala Leu Gly Gln Trp Pro Gln
 50 55 60

<210> 1110
 <211> 26
 <212> PRT
 <213> Homo sapiens

<400> 1110
 Ser Thr Pro Ala Thr Pro Ser Ala Gly Pro Gln Pro Leu Pro Thr Gly
 1 5 10 15
 Thr Val Leu Val Pro Gly Gly Pro Ala Pro
 20 25

<210> 1111
 <211> 19
 <212> PRT
 <213> Homo sapiens

<400> 1111
 Gln Asp Pro Gln Gly Pro Ala Arg Ser Arg Leu Gly Gly Ala Gly Ala
 1 5 10 15
 Arg Gln Arg

<210> 1112
 <211> 40
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (28)
 <223> Xaa equals any of the naturally occurring L-amino acids

10004350-120701

<400> 1112

Ala Leu Gln Leu Ala Phe Tyr Pro Asp Ala Val Glu Glu Trp Leu Glu
 1 5 10 15

Glu Asn Val His Pro Ser Leu Gln Arg Leu Gln Xaa Leu Leu Gln Asp
 20 25 30

Leu Ser Glu Val Ser Ala Pro Pro
 35 40

<210> 1113

<211> 30

<212> PRT

<213> Homo sapiens

<400> 1113

Cys His Pro Pro Ala Leu Ala Gly Thr Leu Leu Arg Thr Pro Glu Gly
 1 5 10 15

Arg Ala His Ala Arg Gly Leu Leu Leu Glu Ala Gly Gly Ala
 20 25 30

<210> 1114

<211> 59

<212> PRT

<213> Homo sapiens

<400> 1114

Gly Ser Ser Ser Thr Arg Ser Trp Phe Ser Thr Ser Ser Pro Gln Arg
 1 5 10 15

Ser Ala Ser Trp His Ser Gly Ala Pro Ser Cys Arg Ser Trp Arg Leu
 20 25 30

Pro Cys Ser Trp Leu Ser Thr Arg Met Pro Trp Arg Ser Gly Trp Arg
 35 40 45

Lys Thr Cys Thr Pro Ala Cys Ser Gly Cys Lys
 50 55

<210> 1115

<211> 83

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (16)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (24)

<223> Xaa equals any of the naturally occurring L-amino acids

10004850.120701

<400> 1115

Ala Ser Thr Leu Gln Pro Ser Leu Ser Pro Ser Ser Pro Pro Leu Xaa
 1 5 10 15

Pro Pro Val Glu Thr Ala Val Xaa Ser Arg Ala Leu Arg Arg Glu Gly
 20 25 30

Ala Gly Ser Phe Pro Gly Ser Asn Ile Leu Ala Leu Val Thr Gln Val
 35 40 45

Ser Leu His Leu Arg Ser Ser Val Asp Ala Leu Leu Glu Gly Asn Arg
 50 55 60

Tyr Val Thr Gly Trp Phe Ser Pro Tyr His Arg Gln Arg Lys Leu Ile
 65 70 75 80

His Pro Val

<210> 1116

<211> 292

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (11)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (15)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (35)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (36)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (39)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (40)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (45)

10004360-120701

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (91)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (255)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (256)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (257)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (258)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1116

Pro Leu Gly Pro Glu Lys Ala Gly Leu Ala Xaa Pro Leu Val Xaa His
1 5 10 15

Ala Ala Arg Pro Cys Pro Ser Thr Ser Leu Gln Ser Gln Cys Ser Pro
20 25 30

Ser Leu Xaa Xaa Glu Pro Xaa Xaa Pro Pro Arg Ser Xaa Val Ile Ser
35 40 45

Gly Gly Phe Asp Glu Asp Val Lys Ala Lys Val Glu Asn Leu Leu Gly
50 55 60

Ile Ser Ser Leu Glu Lys Thr Asp Pro Val Arg Gln Ala Pro Cys Ser
65 70 75 80

Pro Pro Cys Pro Leu Leu Pro Leu Pro Phe Xaa Arg Pro Trp Arg Gln
85 90 95

Leu Phe Ser Ala Gly Leu Ser Ala Gly Arg Gly Pro Ala Pro Ser Leu
100 105 110

Ala Ala Thr Ser Leu Pro Leu Ser His Lys Ser Ala Ser Ile Cys Ala
115 120 125

Ala Leu Trp Met Arg Cys Trp Arg Ala Thr Gly Met Ser Leu Ala Gly
130 135 140

Ser Ala Pro Thr Thr Ala Ser Gly Ser Ser Ser Thr Arg Ser Trp Phe
145 150 155 160

10004000120701

Ser Thr Ser Ser Pro Gln Arg Ser Ala Ser Trp His Ser Gly Ala Pro
 165 170 175
 Ser Cys Arg Ser Trp Arg Leu Pro Cys Ser Trp Leu Ser Thr Arg Met
 180 185 190
 Pro Trp Arg Ser Gly Trp Arg Lys Thr Cys Thr Pro Ala Cys Ser Gly
 195 200 205
 Cys Lys Leu Cys Cys Arg Thr Ser Ala Arg Cys Leu Pro Pro Arg Cys
 210 215 220
 His Pro Pro Ala Leu Ala Gly Thr Leu Leu Arg Thr Pro Glu Gly Arg
 225 230 235 240
 Ala His Ala Arg Gly Leu Leu Leu Glu Ala Gly Gly Ala Leu Xaa Xaa
 245 250 255
 Xaa Xaa Ala Trp Ala Ile Arg Pro Thr Trp Ala Ser Cys Pro Leu Ala
 260 265 270
 Gln Gln Cys Leu Ala His Thr Gln Phe Leu Arg Ala Leu Gly Ser Pro
 275 280 285
 Trp Gly Arg Asp
 290

<210> 1117

<211> 235

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (52)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (164)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (209)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (210)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (211)

<223> Xaa equals any of the naturally occurring L-amino acids

10004360.120704

<400> 1117

Phe Gln Glu Asp Leu Met Lys Met Leu Lys Arg Lys Trp Arg Thr Phe
 1 5 10 15

Ser Gly Phe Pro Ala Trp Lys Lys Arg Thr Leu Leu Gly Lys His Pro
 20 25 30

Ala Ala Leu Pro Val Pro Phe Phe Pro Ser Pro Ser Pro Ala Arg Gly
 35 40 45

Asp Ser Cys Xaa Gln Gln Gly Ser Pro Gln Gly Gly Gly Arg Leu Leu
 50 55 60

Pro Trp Gln Gln His Pro Cys Pro Cys His Thr Ser Gln Pro Pro Ser
 65 70 75 80

Ala Gln Leu Cys Gly Cys Ala Ala Gly Gly Gln Gln Val Cys His Trp
 85 90 95

Leu Val Gln Pro Leu Pro Pro Pro Ala Glu Ala His Pro Pro Gly His
 100 105 110

Gly Ser Ala His Pro Ala Arg Ser Ala Gln Pro Pro Gly Thr Val Glu
 115 120 125

His Pro Arg Ala Gly Ala Gly Gly Cys Pro Ala Ala Gly Phe Leu Pro
 130 135 140

Gly Cys Arg Gly Gly Val Ala Gly Gly Lys Arg Ala Pro Gln Pro Ala
 145 150 155 160

Ala Ala Ala Xaa Ser Ala Ala Gly Pro Gln Arg Gly Val Cys Pro Pro
 165 170 175

Ala Ala Thr His Gln Pro Trp Gln Gly Arg Cys Ser Gly Pro Leu Arg
 180 185 190

Gly Glu Leu Met Pro Gly Gly Ser Cys Trp Arg Leu Gly Gly Leu Cys
 195 200 205

Xaa Xaa Xaa Trp Pro Gly Gln Tyr Gly Pro Arg Gly Arg Arg Ala Leu
 210 215 220

Trp Pro Ser Ser Val Leu Pro Thr Leu Ser Ser
 225 230 235

<210> 1118

<211> 241

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (151)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

10004560 "120701"

<221> SITE
 <222> (197)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (198)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (202)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (203)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (206)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (207)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (227)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 1118
 Ala Leu Pro Ser Gly Val Leu Ser Asn Val Pro Ala Arg Ala Gly Gly
 1 5 10 15
 Trp Gln Arg Gly Gly Arg His Leu Ala Glu Val Leu Gln Gln Ser Leu
 20 25 30
 Gln Pro Leu Gln Ala Gly Val His Val Phe Leu Gln Pro Leu Leu His
 35 40 45
 Gly Ile Arg Val Glu Ser Gln Leu Gln Gly Ser Leu Gln Leu Leu His
 50 55 60
 Glu Gly Ala Pro Leu Cys Gln Glu Ala Glu Arg Cys Gly Leu Asp Val
 65 70 75 80
 Leu Asn His Asp Arg Val Asp Glu Leu Pro Leu Ala Val Val Gly Ala
 85 90 95
 Glu Pro Ala Ser Asp Ile Pro Val Ala Leu Gln Gln Arg Ile His Arg
 100 105 110
 Ala Ala Gln Met Glu Ala Asp Leu Cys Asp Lys Gly Lys Asp Val Ala
 115 120 125

10004360-120701

Ala Arg Glu Gly Ala Gly Pro Leu Pro Ala Glu Ser Pro Ala Glu Asn
130 135 140

Ser Cys Leu His Gly Arg Xaa Lys Gly Arg Gly Arg Arg Gly Gln Gly
145 150 155 160

Gly Leu Gln Gly Ala Cys Leu Thr Gly Ser Val Phe Ser Arg Leu Glu
165 170 175

Ile Pro Arg Arg Phe Ser Thr Phe Ala Leu Thr Ser Ser Ser Asn Pro
180 185 190

Pro Glu Ile Thr Xaa Xaa Arg Gly Gly Xaa Xaa Gly Ser Xaa Xaa Arg
195 200 205

Glu Gly Leu His Trp Asp Cys Arg Leu Val Leu Gly His Gly Arg Ala
210 215 220

Ala Trp Xaa Thr Asn Gly Gln Ala Asn Pro Ala Phe Ser Gly Pro Lys
225 230 235 240

Gly

<210> 1119

<211> 29

<212> PRT

<213> Homo sapiens

<400> 1119

Arg Gln Leu Phe Ser Ala Gly Leu Ser Ala Gly Arg Gly Pro Ala Pro
1 5 10 15

Ser Leu Ala Ala Thr Ser Leu Pro Leu Ser His Lys Ser
20 25

<210> 1120

<211> 28

<212> PRT

<213> Homo sapiens

<400> 1120

Glu Leu Pro Leu Ala Val Val Gly Ala Glu Pro Ala Ser Asp Ile Pro
1 5 10 15

Val Ala Leu Gln Gln Arg Ile His Arg Ala Ala Gln
20 25

<210> 1121

<211> 27

<212> PRT

<213> Homo sapiens

<400> 1121

10004850-120701

Gln Pro Pro Gly Thr Val Glu His Pro Arg Ala Gly Ala Gly Gly Cys
 1 5 10 15

Pro Ala Ala Gly Phe Leu Pro Gly Cys Arg Gly
 20 25

<210> 1122

<211> 17

<212> PRT

<213> Homo sapiens

<400> 1122

Ser Val Phe Glu Arg Thr Asn Glu Phe Arg Asp Val Leu Trp Ser Ser
 1 5 10 15

Ile

<210> 1123

<211> 97

<212> PRT

<213> Homo sapiens

<400> 1123

Gly Val Val Gln Val Thr Phe Met Ser Ser Val Ser Arg Val Thr Trp
 1 5 10 15

Gly Cys Gln Pro Ser Ile Cys Pro Gly Ala Pro Pro Ala Ala Ala Leu
 20 25 30

Ala Gly Gly Leu Arg Leu Leu Phe Glu Arg Glu Leu Phe Gly Leu Pro
 35 40 45

Val Ser Ser Pro Leu Ile Cys Ser Phe Leu Glu His His Pro Arg Thr
 50 55 60

Ser Pro Pro Pro Ser Asp Cys Glu Leu Leu Glu Gly Arg Ser Cys Val
 65 70 75 80

Leu Leu Phe Ile Phe Leu Ser Pro Glu Pro Cys Thr Asp Pro Gly Met
 85 90 95

Trp

<210> 1124

<211> 101

<212> PRT

<213> Homo sapiens

<400> 1124

Ser Lys Gln Ile His Ser Phe Val His Ser Phe Ile His Leu Phe Asn
 1 5 10 15

Thr His Leu Leu Ser Thr Tyr His Ile Pro Gly Ser Val Gln Gly Ser

1000460-12001

20 25 30
 Gly Asp Arg Lys Met Asn Arg Arg Thr Gln Leu Leu Pro Ser Arg Ser
 35 40 45
 Ser Gln Ser Asp Gly Gly Gly Asp Val Leu Gly Trp Cys Ser Lys Lys
 50 55 60
 Glu Gln Ile Arg Gly Glu Glu Thr Gly Arg Pro Asn Ser Ser Leu Ser
 65 70 75 80
 Lys Arg Ser Leu Arg Pro Pro Ala Arg Ala Ala Gly Gly Ala Pro
 85 90 95
 Gly Gln Met Leu Gly
 100

<210> 1125
 <211> 28
 <212> PRT
 <213> Homo sapiens

<400> 1125
 Val Thr Trp Gly Cys Gln Pro Ser Ile Cys Pro Gly Ala Pro Pro Ala
 1 5 10 15

Ala Ala Leu Ala Gly Gly Leu Arg Leu Leu Phe Glu
 20 25

<210> 1126
 <211> 23
 <212> PRT
 <213> Homo sapiens

<400> 1126
 Glu Gln Ile Arg Gly Glu Glu Thr Gly Arg Pro Asn Ser Ser Leu Ser
 1 5 10 15

Lys Arg Ser Leu Arg Pro Pro
 20

<210> 1127
 <211> 130
 <212> PRT
 <213> Homo sapiens

<400> 1127
 Gln Trp Glu His Leu Leu Leu Leu Pro His Leu Leu Arg Gly Ala His
 1 5 10 15

Arg Asp Pro Gly Asp Ile Leu Pro Leu Ala Pro Arg Ser Glu Cys Arg
 20 25 30

Ala Asn Ser Ile Lys Glu Tyr Gln Lys Ser Ile Trp Lys Val Tyr Val
 35 40 45

10004860.120701

Val Arg Leu Arg Leu Leu Lys Pro Gln Pro Asn Ile Ile Pro Thr Val
50 55 60

Lys Lys Ile Val Leu Leu Ala Gly Trp Ala Leu Phe Leu Phe Leu Ala
65 70 75 80

Tyr Lys Val Ser Lys Thr Asp Arg Glu Tyr Gln Glu Tyr Asn Pro Tyr
85 90 95

Glu Val Leu Asn Leu Asp Pro Gly Ala Thr Val Ala Glu Ile Lys Lys
100 105 110

Gln Tyr Arg Leu Leu Ser Leu Lys Tyr His Pro Asp Lys Gly Gly Asp
115 120 125

Glu Val
130

<210> 1128

<211> 65

<212> PRT

<213> Homo sapiens

<400> 1128

Glu Glu Arg Gly Gly Gly Gly Gly Ala Met Ala Gly Gln Gln Phe Gln
1 5 10 15

Tyr Asp Asp Ser Gly Asn Thr Phe Phe Tyr Phe Leu Thr Ser Phe Val
20 25 30

Gly Leu Ile Val Ile Pro Ala Thr Tyr Tyr Leu Trp Pro Arg Asp Gln
35 40 45

Asn Ala Glu Gln Ile Arg Leu Lys Asn Ile Arg Lys Val Tyr Gly Arg
50 55 60

Cys
65

<210> 1129

<211> 220

<212> PRT

<213> Homo sapiens

<400> 1129

Arg Leu Tyr Thr Gly Cys Val Ile Phe Asp Leu Val Ser Asn Arg Ala
1 5 10 15

Leu Ser Phe Arg Cys Met Leu Cys Cys Asn Ser Cys His Ser Ala Ser
20 25 30

Ser Ser Leu Phe Cys Phe Ser Ser Cys Ser Leu Ser Glu Ser Leu Ser
35 40 45

Leu Pro Ser Ser Phe Ser Leu Trp Glu Ser Leu Leu Val Ser Ser Ser

10004000-10001

50 55 60
 Ser Glu Ser Leu Pro Leu Ser Glu Thr Ser Ser Ser Ser Ser Phe Thr
 65 70 75 80
 Ala Ala Ser Phe Pro Thr Thr Pro Phe Ala Cys Phe Cys Phe Cys Cys
 85 90 95
 Phe Asp Cys Gly Asn Ser Thr Gly Val Gly Phe Phe Phe Lys Gly Phe
 100 105 110
 Phe Phe Phe Asp Leu Ala Val Phe Leu Gly Pro Leu Leu Phe Cys Cys
 115 120 125
 His Pro Pro Phe Val Leu Phe Leu Leu Val Ser Pro Cys Pro Ser Ser
 130 135 140
 Ala Gly Cys Ser Ser Ala Ala Gln Met Asp Cys Ser Phe Ser Asn Thr
 145 150 155 160
 Ser Ala Ile Val Cys Leu Val Asn Leu Thr Asn Thr Val Thr Lys Asp
 165 170 175
 Pro Thr Val Met Leu Leu Leu Ser Ser Ser Ser Asn Thr Cys Asp Phe
 180 185 190
 Ile Ser Met Val Thr Tyr Gly Lys Leu Pro Arg Thr Ala Ile Thr Ser
 195 200 205
 Ser Tyr Phe Ser Ser Ser Arg Lys Cys Ser Arg Val
 210 215 220

<210> 1130
 <211> 35
 <212> PRT
 <213> Homo sapiens

<400> 1130
 Tyr Gln Lys Ser Ile Trp Lys Val Tyr Val Val Arg Leu Arg Leu Leu
 1 5 10 15

Lys Pro Gln Pro Asn Ile Ile Pro Thr Val Lys Lys Ile Val Leu Leu
 20 25 30

Ala Gly Trp
 35

<210> 1131
 <211> 35
 <212> PRT
 <213> Homo sapiens

<400> 1131
 Cys His Pro Pro Phe Val Leu Phe Leu Leu Val Ser Pro Cys Pro Ser
 1 5 10 15

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Ser Ala Gly Cys Ser Ser Ala Ala Gln Met Asp Cys Ser Phe Ser Asn
 20 25 30

Thr Ser Ala
 35

<210> 1132
 <211> 26
 <212> PRT
 <213> Homo sapiens

<400> 1132
 Gly Thr Ser Leu Asp Ala Ala Ala Thr Ala Ala Ser Leu Ser Pro Arg
 1 5 10 15

Gly Cys Arg Leu Arg Thr Pro Ser Ser Asp
 20 25

<210> 1133
 <211> 99
 <212> PRT
 <213> Homo sapiens

<400> 1133
 Gln Ile Gln Arg His Thr Arg Ala Pro Lys Gln Leu Ile Pro Leu Met
 1 5 10 15

Thr Pro Arg Arg Ser Leu Arg Asp His Pro Gln Ala Gln Thr Ser Arg
 20 25 30

Gln Thr Pro Arg Pro Ser Ser His Leu Val Phe Met Arg Met Thr Pro
 35 40 45

Ser Ser Met Met Asn Thr Pro Ser Gly Asn Gly Gly Cys Trp Ser Gln
 50 55 60

Leu Cys Cys Ser Ser Gln Ala Ser Ser Ser Ser Pro Val Ala Ser Ala
 65 70 75 80

Gly Ser Cys Pro Gly Tyr Ala Gly Ile Ile Ala Gly Glu Ser Ile Arg
 85 90 95

Asn Arg Ser

<210> 1134
 <211> 27
 <212> PRT
 <213> Homo sapiens

<400> 1134
 Pro Arg Arg Ser Leu Arg Asp His Pro Gln Ala Gln Thr Ser Arg Gln
 1 5 10 15

Thr Pro Arg Pro Ser Ser His Leu Val Phe Met

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20

25

<210> 1135
 <211> 129
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (50)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 1135
 Thr His Pro Pro Glu Thr Gly Ala Val Gly Arg Ser Cys Ala Val His
 1 5 10 15
 His Arg His His His Pro His Gln Trp Gln Val Gln Ala Ala Val Pro
 20 25 30
 Val Met Pro Glu Ser Leu Gln Val Ser Pro Ser Glu Thr Gly Ala Asp
 35 40 45
 Asn Xaa Leu Gly Thr Arg Arg Pro Ser Pro Leu Pro Ala His Arg Ala
 50 55 60
 Gln Pro Pro Ala Ser Pro Arg Arg Ala Trp Pro Glu Arg Glu Asp Thr
 65 70 75 80
 Asp Asp Glu Ala Gly Ala Arg Ala Ala Gly Pro Ser Leu Leu Pro Pro
 85 90 95
 Pro Thr Leu Pro Ala Pro Glu Gly Tyr Leu Ala Pro Trp Gly Leu Ser
 100 105 110
 Leu Lys Leu Ser Pro Leu Leu Arg Gln Lys Val Lys His Cys Gly Leu
 115 120 125
 Cys

<210> 1136
 <211> 36
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (16)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 1136
 Pro Glu Ser Leu Gln Val Ser Pro Ser Glu Thr Gly Ala Asp Asn Xaa
 1 5 10 15
 Leu Gly Thr Arg Arg Pro Ser Pro Leu Pro Ala His Arg Ala Gln Pro
 20 25 30

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Pro Ala Ser Pro
35

<210> 1137
<211> 79
<212> PRT
<213> Homo sapiens

<400> 1137
Gly Thr Ala Pro Lys Ala Pro Gly Ser Leu Gln Gly Arg Ala Gly Leu
1 5 10 15
Gly Glu Val Gly Asp Ser Asp Arg Gln Pro Trp Leu Gln Leu His His
20 25 30
Leu Cys Leu Pro Ser Leu Ala Arg Leu Phe Glu Gly Met Gln Glu Ala
35 40 45
Gly His Gly Glu Leu Ala Gly Gly Leu Val Phe Gly Cys Pro Ala Gly
50 55 60
Cys Gln Leu Leu Phe Leu Met Asp Ser Pro Ala Met Ile Pro Ala
65 70 75

<210> 1138
<211> 34
<212> PRT
<213> Homo sapiens

<400> 1138
Gly Glu Val Gly Asp Ser Asp Arg Gln Pro Trp Leu Gln Leu His His
1 5 10 15
Leu Cys Leu Pro Ser Leu Ala Arg Leu Phe Glu Gly Met Gln Glu Ala
20 25 30
Gly His

<210> 1139
<211> 86
<212> PRT
<213> Homo sapiens

<400> 1139
Gly Ser Gly Gly Leu Ser Gly Arg Leu Cys Leu Gly Met Val Ser Gln
1 5 10 15
Arg Ala Ser Trp Cys His Gln Trp Asp Glu Leu Leu Trp Cys Ser Cys
20 25 30
Val Ser Leu Asp Leu Ser Leu Glu Ala His Pro Phe Leu Pro Val Ala
35 40 45

FOUO 10004360-120701

Gly Ser Gly Ser Gly Val Val Val Phe His Gln Gln Ala Arg Leu Gly
50 55 60

Leu Glu Arg Trp Ala Gly Val Leu Cys Arg Leu His Leu Gly Leu Val
65 70 75 80

Ser Gly Pro Glu Cys Pro
85

<210> 1140

<211> 41

<212> PRT

<213> Homo sapiens

<400> 1140

Gln Trp Asp Glu Leu Leu Trp Cys Ser Cys Val Ser Leu Asp Leu Ser
1 5 10 15

Leu Glu Ala His Pro Phe Leu Pro Val Ala Gly Ser Gly Ser Gly Val
20 25 30

Val Val Phe His Gln Gln Ala Arg Leu
35 40

<210> 1141

<211> 247

<212> PRT

<213> Homo sapiens

<400> 1141

Met Arg Pro Asp Trp Lys Ala Gly Ala Gly Pro Gly Gly Pro Pro Gln
1 5 10 15

Lys Pro Ala Pro Ser Ser Gln Arg Lys Pro Pro Ala Arg Pro Ser Ala
20 25 30

Ala Ala Ala Ala Ile Ala Val Ala Ala Ala Glu Glu Glu Arg Arg Leu
35 40 45

Arg Gln Arg Asn Arg Leu Arg Leu Glu Glu Asp Lys Pro Ala Val Glu
50 55 60

Arg Cys Leu Glu Glu Leu Val Phe Gly Asp Val Glu Asn Asp Glu Asp
65 70 75 80

Ala Leu Leu Arg Arg Leu Arg Gly Pro Arg Val Gln Glu His Glu Asp
85 90 95

Ser Gly Asp Ser Glu Val Glu Asn Glu Ala Lys Gly Asn Phe Pro Pro
100 105 110

Gln Lys Lys Pro Val Trp Val Asp Glu Glu Asp Glu Asp Glu Glu Met
115 120 125

Val Asp Met Met Asn Asn Arg Phe Arg Lys Asp Met Met Lys Asn Ala
130 135 140

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Ser Glu Ser Lys Leu Ser Lys Asp Asn Leu Lys Lys Arg Leu Lys Glu
145 150 155 160

Glu Phe Gln His Ala Met Gly Gly Val Pro Ala Trp Ala Glu Thr Thr
165 170 175

Lys Arg Lys Thr Ser Ser Asp Asp Glu Ser Glu Glu Asp Glu Asp Asp
180 185 190

Leu Leu Gln Arg Thr Gly Asn Phe Ile Ser Thr Ser Thr Ser Leu Pro
195 200 205

Arg Gly Ile Leu Lys Met Lys Asn Cys Gln His Ala Asn Ala Glu Arg
210 215 220

Pro Thr Val Ala Arg Ile Ser Ile Cys Ala Val Pro Ser Arg Cys Thr
225 230 235 240

Asp Cys Asp Gly Cys Trp Asp
245

<210> 1142

<211> 180

<212> PRT

<213> Homo sapiens

<400> 1142

Cys Leu Glu Glu Leu Val Phe Gly Asp Val Glu Asn Asp Glu Asp Ala
1 5 10 15

Leu Leu Arg Arg Leu Arg Gly Pro Arg Val Gln Glu His Glu Asp Ser
20 25 30

Gly Asp Ser Glu Val Glu Asn Glu Ala Lys Gly Asn Phe Pro Pro Gln
35 40 45

Lys Lys Pro Val Trp Val Asp Glu Glu Asp Glu Asp Glu Glu Met Val
50 55 60

Asp Met Met Asn Asn Arg Phe Arg Lys Asp Met Met Lys Asn Ala Ser
65 70 75 80

Glu Ser Lys Leu Ser Lys Asp Asn Leu Lys Lys Arg Leu Lys Glu Glu
85 90 95

Phe Gln His Ala Met Gly Gly Val Pro Ala Trp Ala Glu Thr Thr Lys
100 105 110

Arg Lys Thr Ser Ser Asp Asp Glu Ser Glu Glu Asp Glu Asp Asp Leu
115 120 125

Leu Gln Arg Thr Gly Asn Phe Ile Ser Thr Ser Thr Ser Leu Pro Arg
130 135 140

Gly Ile Leu Lys Met Lys Asn Cys Gln His Ala Asn Ala Glu Arg Pro
145 150 155 160

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Thr Val Ala Arg Ile Ser Ile Cys Ala Val Pro Ser Arg Cys Thr Asp
 165 170 175

Cys Asp Gly Cys
 180

<210> 1143

<211> 218

<212> PRT

<213> Homo sapiens

<400> 1143

Leu Lys Glu Lys Ile Val Arg Ser Phe Glu Val Ser Pro Asp Gly Ser
 1 5 10 15

Phe Leu Leu Ile Asn Gly Ile Ala Gly Tyr Leu His Leu Leu Ala Met
 20 25 30

Lys Thr Lys Glu Leu Ile Gly Ser Met Lys Ile Asn Gly Arg Val Ala
 35 40 45

Ala Ser Thr Phe Ser Ser Asp Ser Lys Lys Val Tyr Ala Ser Ser Gly
 50 55 60

Asp Gly Glu Val Tyr Val Trp Asp Val Asn Ser Arg Lys Cys Leu Asn
 65 70 75 80

Arg Phe Val Asp Glu Gly Ser Leu Tyr Gly Leu Ser Ile Ala Thr Ser
 85 90 95

Arg Asn Gly Gln Tyr Val Ala Cys Gly Ser Asn Cys Gly Val Val Asn
 100 105 110

Ile Tyr Asn Gln Asp Ser Cys Leu Gln Glu Thr Asn Pro Lys Pro Ile
 115 120 125

Lys Ala Ile Met Asn Leu Val Thr Gly Val Thr Ser Leu Thr Phe Asn
 130 135 140

Pro Thr Thr Glu Ile Leu Ala Ile Ala Ser Glu Lys Met Lys Glu Ala
 145 150 155 160

Val Arg Leu Val His Leu Pro Ser Cys Thr Val Phe Ser Asn Phe Pro
 165 170 175

Val Ile Lys Asn Lys Asn Ile Ser His Val His Thr Met Asp Phe Ser
 180 185 190

Pro Arg Ser Gly Tyr Phe Ala Leu Gly Asn Glu Lys Gly Lys Ala Leu
 195 200 205

Met Tyr Arg Leu His His Tyr Ser Asp Phe
 210 215

<210> 1144

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<211> 167
 <212> PRT
 <213> Homo sapiens

<400> 1144

Lys Ile Asn Gly Arg Val Ala Ala Ser Thr Phe Ser Ser Asp Ser Lys
 1 5 10 15
 Lys Val Tyr Ala Ser Ser Gly Asp Gly Glu Val Tyr Val Trp Asp Val
 20 25 30
 Asn Ser Arg Lys Cys Leu Asn Arg Phe Val Asp Glu Gly Ser Leu Tyr
 35 40 45
 Gly Leu Ser Ile Ala Thr Ser Arg Asn Gly Gln Tyr Val Ala Cys Gly
 50 55 60
 Ser Asn Cys Gly Val Val Asn Ile Tyr Asn Gln Asp Ser Cys Leu Gln
 65 70 75 80
 Glu Thr Asn Pro Lys Pro Ile Lys Ala Ile Met Asn Leu Val Thr Gly
 85 90 95
 Val Thr Ser Leu Thr Phe Asn Pro Thr Thr Glu Ile Leu Ala Ile Ala
 100 105 110
 Ser Glu Lys Met Lys Glu Ala Val Arg Leu Val His Leu Pro Ser Cys
 115 120 125
 Thr Val Phe Ser Asn Phe Pro Val Ile Lys Asn Lys Asn Ile Ser His
 130 135 140
 Val His Thr Met Asp Phe Ser Pro Arg Ser Gly Tyr Phe Ala Leu Gly
 145 150 155 160
 Asn Glu Lys Gly Lys Ala Leu
 165

<210> 1145
 <211> 58
 <212> PRT
 <213> Homo sapiens

<400> 1145

Trp Leu Leu Gly Leu Asp Asn Ala Val Ser Leu Phe Gln Val Asp Gly
 1 5 10 15
 Lys Thr Asn Pro Lys Ile Gln Ser Ile Tyr Leu Glu Arg Phe Pro Ile
 20 25 30
 Phe Lys Ala Cys Phe Ser Ala Asn Gly Glu Glu Val Leu Ala Thr Ser
 35 40 45
 Thr His Ser Lys Val Leu Tyr Val Tyr Asp
 50 55

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<210> 1146
 <211> 23
 <212> PRT
 <213> Homo sapiens

<400> 1146
 Leu Val Phe Gly Asp Val Glu Asn Asp Glu Asp Ala Leu Leu Arg Arg
 1 5 10 15

Leu Arg Gly Pro Arg Val Gln
 20

<210> 1147
 <211> 29
 <212> PRT
 <213> Homo sapiens

<400> 1147
 Lys Asn Ala Ser Glu Ser Lys Leu Ser Lys Asp Asn Leu Lys Lys Arg
 1 5 10 15

Leu Lys Glu Glu Phe Gln His Ala Met Gly Gly Val Pro
 20 25

<210> 1148
 <211> 23
 <212> PRT
 <213> Homo sapiens

<400> 1148
 Ser Leu Pro Arg Gly Ile Leu Lys Met Lys Asn Cys Gln His Ala Asn
 1 5 10 15

Ala Glu Arg Pro Thr Val Ala
 20

<210> 1149
 <211> 246
 <212> PRT
 <213> Homo sapiens

<400> 1149
 Met Arg Ile Leu Gln Leu Ile Leu Leu Ala Leu Ala Thr Gly Leu Val
 1 5 10 15

Gly Gly Glu Thr Arg Ile Ile Lys Gly Phe Glu Cys Lys Leu His Ser
 20 25 30

Gln Pro Trp Gln Ala Ala Leu Phe Glu Lys Thr Arg Leu Leu Cys Gly
 35 40 45

Ala Thr Leu Ile Ala Pro Arg Trp Leu Leu Thr Ala Ala His Cys Leu
 50 55 60

Lys Pro Arg Tyr Ile Val His Leu Gly Gln His Asn Leu Gln Lys Glu

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65 70 75 80
 Glu Gly Cys Glu Gln Thr Arg Thr Ala Thr Glu Ser Phe Pro His Pro
 85 90 95
 Gly Phe Asn Asn Ser Leu Pro Asn Lys Asp His Arg Asn Asp Ile Met
 100 105 110
 Leu Val Lys Met Ala Ser Pro Val Ser Ile Thr Trp Ala Val Arg Pro
 115 120 125
 Leu Thr Leu Ser Ser Arg Cys Val Thr Ala Gly Thr Ser Cys Ser Phe
 130 135 140
 Pro Ala Gly Ala Ala Arg Pro Asp Pro Ser Tyr Ala Cys Leu Thr Pro
 145 150 155 160
 Cys Asp Ala Pro Thr Ser Pro Ser Leu Ser Thr Arg Ser Val Arg Thr
 165 170 175
 Pro Thr Pro Ala Thr Ser Gln Thr Pro Trp Cys Val Pro Ala Cys Arg
 180 185 190
 Lys Gly Ala Arg Thr Pro Ala Arg Val Thr Pro Gly Ala Leu Trp Ser
 195 200 205
 Val Thr Ser Leu Phe Lys Ala Leu Ser Pro Gly Ala Arg Ile Arg Val
 210 215 220
 Arg Ser Pro Glu Ser Leu Val Ser Thr Arg Lys Ser Ala Asn Met Trp
 225 230 235 240
 Thr Gly Ser Arg Arg Arg
 245

<210> 1150
 <211> 228
 <212> PRT
 <213> Homo sapiens

<400> 1150
 Glu Thr Arg Ile Ile Lys Gly Phe Glu Cys Lys Leu His Ser Gln Pro
 1 5 10 15
 Trp Gln Ala Ala Leu Phe Glu Lys Thr Arg Leu Leu Cys Gly Ala Thr
 20 25 30
 Leu Ile Ala Pro Arg Trp Leu Leu Thr Ala Ala His Cys Leu Lys Pro
 35 40 45
 Arg Tyr Ile Val His Leu Gly Gln His Asn Leu Gln Lys Glu Glu Gly
 50 55 60
 Cys Glu Gln Thr Arg Thr Ala Thr Glu Ser Phe Pro His Pro Gly Phe
 65 70 75 80
 Asn Asn Ser Leu Pro Asn Lys Asp His Arg Asn Asp Ile Met Leu Val

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	85	90	95
Lys Met Ala Ser Pro Val Ser Ile Thr Trp Ala Val Arg Pro Leu Thr	100	105	110
Leu Ser Ser Arg Cys Val Thr Ala Gly Thr Ser Cys Ser Phe Pro Ala	115	120	125
Gly Ala Ala Arg Pro Asp Pro Ser Tyr Ala Cys Leu Thr Pro Cys Asp	130	135	140
Ala Pro Thr Ser Pro Ser Leu Ser Thr Arg Ser Val Arg Thr Pro Thr	145	150	155
Pro Ala Thr Ser Gln Thr Pro Trp Cys Val Pro Ala Cys Arg Lys Gly	165	170	175
Ala Arg Thr Pro Ala Arg Val Thr Pro Gly Ala Leu Trp Ser Val Thr	180	185	190
Ser Leu Phe Lys Ala Leu Ser Pro Gly Ala Arg Ile Arg Val Arg Ser	195	200	205
Pro Glu Ser Leu Val Ser Thr Arg Lys Ser Ala Asn Met Trp Thr Gly	210	215	220
Ser Arg Arg Arg	225		

<210> 1151
 <211> 74
 <212> PRT
 <213> Homo sapiens

<400> 1151
 Cys Lys Leu His Ser Gln Pro Trp Gln Ala Ala Leu Phe Glu Lys Thr
 1 5 10 15
 Arg Leu Leu Cys Gly Ala Thr Leu Ile Ala Pro Arg Trp Leu Leu Thr
 20 25 30
 Ala Ala His Cys Leu Lys Pro Arg Tyr Ile Val His Leu Gly Gln His
 35 40 45
 Asn Leu Gln Lys Glu Glu Gly Cys Glu Gln Thr Arg Thr Ala Thr Glu
 50 55 60
 Ser Phe Pro His Pro Gly Phe Asn Asn Ser
 65 70

<210> 1152
 <211> 81
 <212> PRT
 <213> Homo sapiens

<220>

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<221> SITE
 <222> (21)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (22)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 1152
 Val Leu Gln Gly Arg Tyr Phe Ser Pro Ile Leu Glu Met Arg Arg Leu
 1 5 10 15
 Arg Pro Glu Gly Xaa Xaa Asn Leu Pro Gly Gly Ser Arg Ala Gln Lys
 20 25 30
 Glu Pro Arg Gln Asp Leu Thr Leu Val Leu Trp Pro His Cys Pro His
 35 40 45
 Phe Ala Met Thr Arg Ser Tyr Val Pro Thr Lys Gln Cys Met Val Gln
 50 55 60
 Gly Ser Phe Tyr Cys Ile Phe Ile Phe Lys Gly Pro Val Gln Asn Trp
 65 70 75 80
 Cys

<210> 1153
 <211> 24
 <212> PRT
 <213> Homo sapiens

<400> 1153
 Cys Pro Arg Arg Arg Thr Cys Val Arg Val Glu Lys Ser Arg Pro Phe
 1 5 10 15
 Gln Cys Gln Leu His Ser Ile Ser
 20

<210> 1154
 <211> 8
 <212> PRT
 <213> Homo sapiens

<400> 1154
 Pro Lys Glu Pro Gly Val Pro Glu
 1 5

<210> 1155
 <211> 104
 <212> PRT
 <213> Homo sapiens

<400> 1155

10004360.120701

Leu Gln Leu Lys Pro Arg Asp Pro Phe Ser Thr Leu Gly Pro Asn Ala
 1 5 10 15
 Val Leu Ser Pro Gln Arg Leu Val Leu Glu Thr Leu Ser Lys Leu Ser
 20 25 30
 Ile Gln Asp Asn Asn Val Asp Leu Ile Leu Ala Thr Pro Pro Phe Ser
 35 40 45
 Arg Leu Glu Lys Leu Tyr Ser Thr Met Val Arg Phe Leu Ser Asp Arg
 50 55 60
 Lys Asn Pro Val Cys Arg Arg Trp Leu Trp Tyr Cys Trp Pro Thr Trp
 65 70 75 80
 Leu Arg Gly Thr Ala Trp Gln Leu Val Pro Leu Gln Cys Arg Arg Ala
 85 90 95
 Val Ser Ala Thr Ser Trp Ala Ser
 100

<210> 1156

<211> 27

<212> PRT

<213> Homo sapiens

<400> 1156

Arg Asp Pro Phe Ser Thr Leu Gly Pro Asn Ala Val Leu Ser Pro Gln
 1 5 10 15

Arg Leu Val Leu Glu Thr Leu Ser Lys Leu Ser
 20 25

<210> 1157

<211> 105

<212> PRT

<213> Homo sapiens

<400> 1157

Glu Val Ile Ser Gly Leu Phe Ile Gln Ser Arg Arg Arg Glu Arg Gly
 1 5 10 15

Gln Gly Val Val Gly Ser His Met Ile Leu Trp Gly Lys Ser Leu Phe
 20 25 30

Phe Phe Ser Pro Gln Arg Leu Thr Lys Asn Ile Phe Lys Asn Tyr Ser
 35 40 45

Leu Leu Leu Thr Gln Arg Phe Leu Phe Pro Cys Glu Thr Leu Leu Leu
 50 55 60

Gln Tyr Val Tyr Ser Ile Arg Cys Thr Val Gln Tyr Met Lys Gly Ser
 65 70 75 80

Thr Leu Tyr Cys Thr Gly Leu Ser Ser Glu Gln Gly Leu Phe Thr Thr
 85 90 95

10004360-120701

Ala Asn Phe Leu Ala Pro Ala Arg Leu
100 105

<210> 1158
<211> 23
<212> PRT
<213> Homo sapiens

<400> 1158
Ile Arg Cys Thr Val Gln Tyr Met Lys Gly Ser Thr Leu Tyr Cys Thr
1 5 10 15

Gly Leu Ser Ser Glu Gln Gly
20

<210> 1159
<211> 211
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (103)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (153)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1159
Met Pro Ile Ile Asp Gln Val Asn Pro Glu Leu His Asp Phe Met Gln
1 5 10 15

Ser Ala Glu Val Gly Thr Ile Phe Ala Leu Ser Trp Leu Ile Thr Trp
20 25 30

Phe Gly His Val Leu Ser Asp Phe Arg His Val Val Arg Leu Tyr Asp
35 40 45

Phe Phe Leu Ala Cys His Pro Leu Met Pro Ile Tyr Phe Ala Ala Val
50 55 60

Ile Val Leu Tyr Arg Glu Gln Glu Val Leu Asp Cys Asp Cys Asp Met
65 70 75 80

Ala Ser Val His His Leu Leu Ser Gln Ile Pro Gln Asp Leu Pro Tyr
85 90 95

Glu Thr Leu Ile Ser Arg Xaa Glu Thr Phe Leu Phe Ser Phe Pro His
100 105 110

Pro Asn Leu Leu Gly Arg Pro Leu Pro Asn Ser Lys Leu Arg Gly Arg
115 120 125

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Gln Pro Leu Leu Ser Lys Thr Leu Ser Trp His Gln Pro Ser Arg Gly
130 135 140

Leu Ile Trp Cys Cys Gly Ser Gly Xaa Arg Gly Leu Leu Arg Pro Glu
145 150 155 160

Asp Arg Thr Lys Asp Val Leu Thr Lys Pro Arg Thr Asn Arg Phe Val
165 170 175

Lys Leu Ala Val Met Gly Leu Thr Val Ala Leu Gly Ala Ala Ala Leu
180 185 190

Ala Val Val Lys Ser Ala Leu Glu Trp Ala Pro Lys Phe Gln Leu Gln
195 200 205

Leu Phe Pro
210

<210> 1160

<211> 70

<212> PRT

<213> Homo sapiens

<400> 1160

Cys Pro Glu Phe Phe Ile Pro Ala Thr Leu Pro Cys Pro Phe Val Phe
1 5 10 15

Ala Phe Thr Ser Glu Ala Ser Ser Arg Ala Tyr Leu Thr Gln Arg Gly
20 25 30

Pro Gly Gly Leu Ala Gln Asn Leu Met Pro Leu Pro Val Gly Phe Trp
35 40 45

Met Gly Ser Leu Pro Pro Pro Trp Cys Trp Arg Lys Trp Val Ser Glu
50 55 60

Ala Cys Ser Cys Phe Cys
65 70

<210> 1161

<211> 85

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (22)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1161

Cys Arg Gln Ala Gly Ala Val Arg Gly His Pro Met Phe Gln Phe Thr
1 5 10 15

Phe Tyr Gly Val Thr Xaa Arg Phe Pro Val Thr Arg Ala Ala Gln Ala
20 25 30

10004550-120701

Gln Gln Val Ala Lys Ala Ala Ala Ser Phe Arg Asn Pro Leu Pro Pro
35 40 45

Thr Pro Gly Arg Trp Gln Arg Ala His Pro Lys Ala His Trp Glu Arg
50 55 60

His Lys Ile Leu Cys Gln Ala Pro Arg Ser Pro Leu Cys Gln Val Gly
65 70 75 80

Ser Ala Thr Gly Leu
85

<210> 1162

<211> 217

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (109)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (159)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1162

His Ile Leu Asn Tyr Leu Met Pro Ile Ile Asp Gln Val Asn Pro Glu
1 5 10 15

Leu His Asp Phe Met Gln Ser Ala Glu Val Gly Thr Ile Phe Ala Leu
20 25 30

Ser Trp Leu Ile Thr Trp Phe Gly His Val Leu Ser Asp Phe Arg His
35 40 45

Val Val Arg Leu Tyr Asp Phe Phe Leu Ala Cys His Pro Leu Met Pro
50 55 60

Ile Tyr Phe Ala Ala Val Ile Val Leu Tyr Arg Glu Gln Glu Val Leu
65 70 75 80

Asp Cys Asp Cys Asp Met Ala Ser Val His His Leu Leu Ser Gln Ile
85 90 95

Pro Gln Asp Leu Pro Tyr Glu Thr Leu Ile Ser Arg Xaa Glu Thr Phe
100 105 110

Leu Phe Ser Phe Pro His Pro Asn Leu Leu Gly Arg Pro Leu Pro Asn
115 120 125

Ser Lys Leu Arg Gly Arg Gln Pro Leu Leu Ser Lys Thr Leu Ser Trp
130 135 140

His Gln Pro Ser Arg Gly Leu Ile Trp Cys Cys Gly Ser Gly Xaa Arg
145 150 155 160

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Gly Leu Leu Arg Pro Glu Asp Arg Thr Lys Asp Val Leu Thr Lys Pro
 165 170 175

Arg Thr Asn Arg Phe Val Lys Leu Ala Val Met Gly Leu Thr Val Ala
 180 185 190

Leu Gly Ala Ala Ala Leu Ala Val Val Lys Ser Ala Leu Glu Trp Ala
 195 200 205

Pro Lys Phe Gln Leu Gln Leu Phe Pro
 210 215

<210> 1163

<211> 31

<212> PRT

<213> Homo sapiens

<400> 1163

Ala Glu Val Gly Thr Ile Phe Ala Leu Ser Trp Leu Ile Thr Trp Phe
 1 5 10 15

Gly His Val Leu Ser Asp Phe Arg His Val Val Arg Leu Tyr Asp
 20 25 30

<210> 1164

<211> 33

<212> PRT

<213> Homo sapiens

<400> 1164

Val Leu Thr Lys Pro Arg Thr Asn Arg Phe Val Lys Leu Ala Val Met
 1 5 10 15

Gly Leu Thr Val Ala Leu Gly Ala Ala Ala Leu Ala Val Val Lys Ser
 20 25 30

Ala

<210> 1165

<211> 20

<212> PRT

<213> Homo sapiens

<400> 1165

Gly Phe Gly Ser Val Ser Ala Ala Gly Arg Arg Ser Gly Gly Thr Trp
 1 5 10 15

Gln Pro Val Gln
 20

<210> 1166

<211> 16

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<212> PRT
 <213> Homo sapiens

<400> 1166
 Pro Gly Gly Leu Ala Val Gly Ser Arg Trp Trp Ser Arg Ser Leu Thr
 1 5 10 15

<210> 1167
 <211> 30
 <212> PRT
 <213> Homo sapiens

<400> 1167
 Leu Glu Pro Ser Arg Gln Arg Arg Pro Arg Arg Arg Gly Gly Thr Ser
 1 5 10 15

Arg Pro Glu Thr Asp Gln Arg Ala Lys Cys Trp Arg Gln Leu
 20 25 30

<210> 1168
 <211> 11
 <212> PRT
 <213> Homo sapiens

<400> 1168
 Val Cys Leu Arg Cys Gln Asn Arg Met Glu Asn
 1 5 10

<210> 1169
 <211> 367
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (22)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (34)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (102)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 1169
 Met Ala Ala Cys Thr Ala Arg Arg Pro Gly Arg Gly Gln Pro Leu Val
 1 5 10 15

10004350-120701

Val Pro Val Ala Asp Xaa Gly Pro Val Ala Lys Ala Ala Leu Cys Ala
 20 25 30
 Ala Xaa Ala Gly Ala Phe Ser Pro Ala Ser Thr Thr Thr Thr Arg Arg
 35 40 45
 His Leu Ser Ser Arg Asn Arg Pro Glu Gly Lys Val Leu Glu Thr Val
 50 55 60
 Gly Val Phe Glu Val Pro Lys Gln Asn Gly Lys Tyr Glu Thr Gly Gln
 65 70 75 80
 Leu Phe Leu His Ser Ile Phe Gly Tyr Arg Gly Val Val Leu Phe Pro
 85 90 95
 Trp Gln Ala Arg Leu Xaa Asp Arg Asp Val Ala Ser Ala Ala Pro Glu
 100 105 110
 Lys Ala Glu Asn Pro Ala Gly His Gly Ser Lys Glu Val Lys Gly Lys
 115 120 125
 Thr His Thr Tyr Tyr Gln Val Leu Ile Asp Ala Arg Asp Cys Pro His
 130 135 140
 Ile Ser Gln Arg Ser Gln Thr Glu Ala Val Thr Phe Leu Ala Asn His
 145 150 155 160
 Asp Asp Ser Arg Ala Leu Tyr Ala Ile Pro Gly Leu Asp Tyr Val Ser
 165 170 175
 His Glu Asp Ile Leu Pro Tyr Thr Ser Thr Asp Gln Val Pro Ile Gln
 180 185 190
 His Glu Leu Phe Glu Arg Phe Leu Leu Tyr Asp Gln Thr Lys Ala Pro
 195 200 205
 Pro Phe Val Ala Arg Glu Thr Leu Arg Ala Trp Gln Glu Lys Asn His
 210 215 220
 Pro Trp Leu Glu Leu Ser Asp Val His Arg Glu Thr Thr Glu Asn Ile
 225 230 235 240
 Arg Val Thr Val Ile Pro Phe Tyr Met Gly Met Arg Glu Ala Gln Asn
 245 250 255
 Ser His Val Tyr Trp Trp Arg Tyr Cys Ile Arg Leu Glu Asn Leu Asp
 260 265 270
 Ser Asp Val Val Gln Leu Arg Glu Arg His Trp Arg Ile Phe Ser Leu
 275 280 285
 Ser Gly Thr Leu Glu Thr Val Arg Gly Arg Gly Val Val Gly Arg Glu
 290 295 300
 Pro Val Leu Ser Lys Glu Gln Pro Ala Phe Gln Tyr Ser Ser His Val
 305 310 315 320
 Ser Leu Gln Ala Ser Ser Gly His Met Trp Gly Thr Phe Arg Phe Glu

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325

330

335

Arg Pro Asp Gly Ser His Phe Asp Val Arg Ile Pro Pro Phe Ser Leu
 340 345 350

Glu Ser Asn Lys Asp Glu Lys Thr Pro Pro Ser Gly Leu His Trp
 355 360 365

<210> 1170

<211> 33

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (22)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1170

Met Ala Ala Cys Thr Ala Arg Arg Pro Gly Arg Gly Gln Pro Leu Val
 1 5 10 15

Val Pro Val Ala Asp Xaa Gly Pro Val Ala Lys Ala Ala Leu Cys Ala
 20 25 30

Ala

<210> 1171

<211> 33

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (22)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1171

Met Ala Ala Cys Thr Ala Arg Arg Pro Gly Arg Gly Gln Pro Leu Val
 1 5 10 15

Val Pro Val Ala Asp Xaa Gly Pro Val Ala Lys Ala Ala Leu Cys Ala
 20 25 30

Ala

<210> 1172

<211> 33

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

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<222> (22)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1172

Met Ala Ala Cys Thr Ala Arg Arg Pro Gly Arg Gly Gln Pro Leu Val
1 5 10 15

Val Pro Val Ala Asp Xaa Gly Pro Val Ala Lys Ala Ala Leu Cys Ala
20 25 30

Ala

<210> 1173

<211> 33

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (22)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1173

Met Ala Ala Cys Thr Ala Arg Arg Pro Gly Arg Gly Gln Pro Leu Val
1 5 10 15

Val Pro Val Ala Asp Xaa Gly Pro Val Ala Lys Ala Ala Leu Cys Ala
20 25 30

Ala

<210> 1174

<211> 33

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (22)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1174

Met Ala Ala Cys Thr Ala Arg Arg Pro Gly Arg Gly Gln Pro Leu Val
1 5 10 15

Val Pro Val Ala Asp Xaa Gly Pro Val Ala Lys Ala Ala Leu Cys Ala
20 25 30

Ala

<210> 1175

<211> 35

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<212> PRT
<213> Homo sapiens

<400> 1175
Val Leu Glu Thr Val Gly Val Phe Glu Val Pro Lys Gln Asn Gly Lys
1 5 10 15
Tyr Glu Thr Gly Gln Leu Phe Leu His Ser Ile Phe Gly Tyr Arg Gly
20 25 30
Val Val Leu
35

<210> 1176
<211> 16
<212> PRT
<213> Homo sapiens

<400> 1176
Gly Leu Asp Tyr Val Ser His Glu Asp Ile Leu Pro Tyr Thr Ser Thr
1 5 10 15

<210> 1177
<211> 19
<212> PRT
<213> Homo sapiens

<400> 1177
Asp Val His Arg Glu Thr Thr Glu Asn Ile Arg Val Thr Val Ile Pro
1 5 10 15

Phe Tyr Met

<210> 1178
<211> 21
<212> PRT
<213> Homo sapiens

<400> 1178
Trp Trp Arg Tyr Cys Ile Arg Leu Glu Asn Leu Asp Ser Asp Val Val
1 5 10 15

Gln Leu Arg Glu Arg
20

<210> 1179
<211> 26
<212> PRT
<213> Homo sapiens

10004860-120701

<400> 1179

Pro Ala Phe Gln Tyr Ser Ser His Val Ser Leu Gln Ala Ser Ser Gly
 1 5 10 15

His Met Trp Gly Thr Phe Arg Phe Glu Arg
 20 25

<210> 1180

<211> 230

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (114)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (182)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (194)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1180

Arg Leu Pro Ser His Lys Arg Arg Cys Phe Cys Leu Val Ile Gln Lys
 1 5 10 15

Lys Ser Phe Lys Glu Phe Met Leu Asp Gly Asn Leu Ile Ser Gly Gly
 20 25 30

Val Gly Glu Asp Val Phe Met Ala Asp Ile Val Gln Ala Trp Asp Gly
 35 40 45

Ile Glu Gly Pro Thr Val Ile Met Val Ser Gln Glu Gly His Ser Phe
 50 55 60

Cys Leu Arg Ser Leu Arg Tyr Met Trp Ala Val Thr Ser Ile Asn Gln
 65 70 75 80

His Leu Ile Val Ser Val Ser Phe Ala Phe His Leu Leu Gly Ala Met
 85 90 95

Ala Ser Arg Val Leu Cys Phe Phe Trp Ser Cys Arg Ser His Ile Pro
 100 105 110

Val Xaa Gln Ser Gly Leu Pro Gly Lys Gln Asp Asp Thr Ser Val Ala
 115 120 125

Lys Asn Ala Met Lys Glu Lys Leu Pro Gly Leu Ile Phe Ser Ile Leu
 130 135 140

Phe Trp His Leu Lys His Thr Asn Cys Leu Gln His Phe Ala Leu Trp
 145 150 155 160

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Ser Val Ser Gly Arg Glu Val Pro Pro Arg Arg Arg Gly Arg Arg Trp
 165 170 175

Arg Glu Gly Ser Ser Xaa Gly Arg Ala Gln Ser Gly Leu Gly His Arg
 180 185 190

Ala Xaa Val Ser Asp Arg Asp His Gln Arg Leu Pro Thr Ala Arg Pro
 195 200 205

Pro Gly Cys Thr Gly Cys His Val Pro Pro Glu Arg Arg Pro Ala Ala
 210 215 220

Asp Thr Glu Pro Asn Pro
 225 230

<210> 1181

<211> 31

<212> PRT

<213> Homo sapiens

<400> 1181

Lys Glu Phe Met Leu Asp Gly Asn Leu Ile Ser Gly Gly Val Gly Glu
 1 5 10 15

Asp Val Phe Met Ala Asp Ile Val Gln Ala Trp Asp Gly Ile Glu
 20 25 30

<210> 1182

<211> 29

<212> PRT

<213> Homo sapiens

<400> 1182

Ala Val Thr Ser Ile Asn Gln His Leu Ile Val Ser Val Ser Phe Ala
 1 5 10 15

Phe His Leu Leu Gly Ala Met Ala Ser Arg Val Leu Cys
 20 25

<210> 1183

<211> 20

<212> PRT

<213> Homo sapiens

<400> 1183

Thr Ala Arg Pro Pro Gly Cys Thr Gly Cys His Val Pro Pro Glu Arg
 1 5 10 15

Arg Pro Ala Ala
 20

<210> 1184

<211> 11

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<212> PRT
 <213> Homo sapiens

<400> 1184
 Ser Leu Cys Cys Pro Glu Gly Ala Glu Gly Cys
 1 5 10

<210> 1185
 <211> 12
 <212> PRT
 <213> Homo sapiens

<400> 1185
 Gln Leu Lys Lys Thr His Tyr Asp Arg Pro Cys Pro
 1 5 10

<210> 1186
 <211> 12
 <212> PRT
 <213> Homo sapiens

<400> 1186
 Gln Leu Lys Lys Thr His Tyr Asp Arg Pro Cys Pro
 1 5 10

<210> 1187
 <211> 29
 <212> PRT
 <213> Homo sapiens

<400> 1187
 Met Asn Arg Pro Cys Pro Phe Cys Leu Trp Lys Val Phe Pro Leu Leu
 1 5 10 15

Leu Leu Leu His Glu Glu Leu Phe Pro Leu Pro Val Pro
 20 25

<210> 1188
 <211> 33
 <212> PRT
 <213> Homo sapiens

<400> 1188
 Lys Glu Lys Thr Phe Thr Pro Arg Asn Ser Leu Cys Cys Pro Glu Gly
 1 5 10 15

Ala Glu Gly Cys Ile Ala Gly Gly Asp Leu Gln Leu Lys Lys Thr His
 20 25 30

Tyr

<210> 1189

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<211> 170
 <212> PRT
 <213> Homo sapiens

<400> 1189

Ala	Gln	Arg	Lys	Lys	Glu	Met	Val	Leu	Ser	Glu	Lys	Val	Ser	Gln	Leu
1				5					10					15	
Met	Glu	Trp	Thr	Asn	Lys	Arg	Pro	Val	Ile	Arg	Met	Asn	Gly	Asp	Lys
			20					25					30		
Phe	Arg	Arg	Leu	Val	Lys	Ala	Pro	Pro	Arg	Asn	Tyr	Ser	Val	Ile	Val
			35				40					45			
Met	Phe	Thr	Ala	Leu	Gln	Leu	His	Arg	Gln	Cys	Val	Val	Cys	Lys	Gln
	50					55				60					
Ala	Asp	Glu	Glu	Phe	Gln	Ile	Leu	Ala	Asn	Ser	Trp	Arg	Tyr	Ser	Ser
65					70					75					80
Ala	Phe	Thr	Asn	Arg	Ile	Phe	Phe	Ala	Met	Val	Asp	Phe	Asp	Glu	Gly
				85					90					95	
Ser	Asp	Val	Phe	Gln	Met	Leu	Asn	Met	Asn	Ser	Ala	Pro	Thr	Phe	Ile
			100					105					110		
Asn	Phe	Pro	Ala	Lys	Gly	Lys	Pro	Lys	Arg	Gly	Asp	Thr	Tyr	Glu	Leu
		115					120					125			
Gln	Val	Arg	Gly	Phe	Ser	Ala	Glu	Gln	Ile	Ala	Arg	Trp	Ile	Ala	Asp
	130					135					140				
Arg	Thr	Asp	Val	Asn	Ile	Arg	Val	Ile	Arg	Pro	Pro	Asn	Met	Ala	Ala
145					150					155					160
Arg	Trp	Arg	Phe	Trp	Cys	Val	Ser	Val	Thr						
				165					170						

<210> 1190
 <211> 15
 <212> PRT
 <213> Homo sapiens

<400> 1190

Met	Val	Val	Ala	Leu	Leu	Ile	Val	Cys	Asp	Val	Pro	Ser	Ala	Ser
1					5					10				15

<210> 1191
 <211> 16
 <212> PRT
 <213> Homo sapiens

<400> 1191

Ala	Gln	Arg	Lys	Lys	Glu	Met	Val	Leu	Ser	Glu	Lys	Val	Ser	Gln	Leu
1					5				10					15	

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<210> 1192
 <211> 17
 <212> PRT
 <213> Homo sapiens

<400> 1192
 Met Glu Trp Thr Asn Lys Arg Pro Val Ile Arg Met Asn Gly Asp Lys
 1 5 10 15

Phe

<210> 1193
 <211> 56
 <212> PRT
 <213> Homo sapiens

<400> 1193
 Arg Arg Leu Val Lys Ala Pro Pro Arg Asn Tyr Ser Val Ile Val Met
 1 5 10 15

Phe Thr Ala Leu Gln Leu His Arg Gln Cys Val Val Cys Lys Gln Ala
 20 25 30

Asp Glu Glu Phe Gln Ile Leu Ala Asn Ser Trp Arg Tyr Ser Ser Ala
 35 40 45

Phe Thr Asn Arg Ile Phe Phe Ala
 50 55

<210> 1194
 <211> 31
 <212> PRT
 <213> Homo sapiens

<400> 1194
 Met Val Asp Phe Asp Glu Gly Ser Asp Val Phe Gln Met Leu Asn Met
 1 5 10 15

Asn Ser Ala Pro Thr Phe Ile Asn Phe Pro Ala Lys Gly Lys Pro
 20 25 30

<210> 1195
 <211> 37
 <212> PRT
 <213> Homo sapiens

<400> 1195
 Lys Arg Gly Asp Thr Tyr Glu Leu Gln Val Arg Gly Phe Ser Ala Glu
 1 5 10 15

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Gln Ile Ala Arg Trp Ile Ala Asp Arg Thr Asp Val Asn Ile Arg Val
 20 25 30

Ile Arg Pro Pro Asn
 35

<210> 1196
 <211> 44
 <212> PRT
 <213> Homo sapiens

<400> 1196
 Tyr Ala Gly Pro Leu Met Leu Gly Leu Leu Leu Ala Val Ile Gly Gly
 1 5 10 15

Leu Val Tyr Leu Arg Arg Val Ile Trp Asn Phe Ser Leu Ile Lys Leu
 20 25 30

Asp Gly Leu Leu Gln Leu Cys Val Leu Cys Leu Leu
 35 40

<210> 1197
 <211> 17
 <212> PRT
 <213> Homo sapiens

<400> 1197
 Asp Ala Val Phe Lys Gly Phe Ser Asp Cys Leu Leu Lys Leu Gly Asp
 1 5 10 15

Ser

<210> 1198
 <211> 20
 <212> PRT
 <213> Homo sapiens

<400> 1198
 Cys Gln Glu Gly Ala Lys Asp Met Trp Asp Lys Leu Arg Lys Glu Ser
 1 5 10 15

Lys Asn Leu Asn
 20

<210> 1199
 <211> 16
 <212> PRT
 <213> Homo sapiens

<400> 1199
 Val Leu Leu Val Ser Leu Ser Ala Ala Leu Ala Thr Trp Leu Ser Phe
 1 5 10 15

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<210> 1200
 <211> 48
 <212> PRT
 <213> Homo sapiens

<400> 1200
 Met Gly Leu Lys Leu Asn Gly Arg Tyr Ile Ser Leu Ile Leu Ala Val
 1 5 10 15
 Gln Ile Ala Tyr Leu Val Gln Ala Val Arg Ala Ala Gly Lys Cys Asp
 20 25 30
 Ala Val Phe Lys Gly Phe Ser Asp Cys Leu Leu Lys Leu Gly Asp Ser
 35 40 45

<210> 1201
 <211> 90
 <212> PRT
 <213> Homo sapiens

<400> 1201
 Pro Ala Ala Trp Asp Asp Lys Thr Asn Ile Lys Thr Val Cys Thr Tyr
 1 5 10 15
 Trp Glu Asp Phe His Ser Cys Thr Val Thr Ala Leu Thr Asp Cys Gln
 20 25 30
 Glu Gly Ala Lys Asp Met Trp Asp Lys Leu Arg Lys Glu Ser Lys Asn
 35 40 45
 Leu Asn Ile Gln Gly Ser Leu Phe Glu Leu Cys Gly Ser Gly Asn Gly
 50 55 60
 Ala Ala Gly Ser Leu Leu Pro Ala Phe Pro Val Leu Leu Val Ser Leu
 65 70 75 80
 Ser Ala Ala Leu Ala Thr Trp Leu Ser Phe
 85 90

<210> 1202
 <211> 143
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (49)
 <223> Xaa equals any of the naturally occurring L-amino acids

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<220>
 <221> SITE
 <222> (50)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (51)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (52)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (53)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 1202
 Met Gly Leu Lys Leu Asn Gly Arg Tyr Ile Ser Leu Ile Leu Ala Val
 1 5 10 15
 Gln Ile Ala Tyr Leu Val Gln Ala Val Arg Ala Ala Gly Lys Cys Asp
 20 25 30
 Ala Val Phe Lys Gly Phe Ser Asp Cys Leu Leu Lys Leu Gly Asp Ser
 35 40 45
 Xaa Xaa Xaa Xaa Xaa Pro Ala Ala Trp Asp Asp Lys Thr Asn Ile Lys
 50 55 60
 Thr Val Cys Thr Tyr Trp Glu Asp Phe His Ser Cys Thr Val Thr Ala
 65 70 75 80
 Leu Thr Asp Cys Gln Glu Gly Ala Lys Asp Met Trp Asp Lys Leu Arg
 85 90 95
 Lys Glu Ser Lys Asn Leu Asn Ile Gln Gly Ser Leu Phe Glu Leu Cys
 100 105 110
 Gly Ser Gly Asn Gly Ala Ala Gly Ser Leu Leu Pro Ala Phe Pro Val
 115 120 125
 Leu Leu Val Ser Leu Ser Ala Ala Leu Ala Thr Trp Leu Ser Phe
 130 135 140

<210> 1203
 <211> 34
 <212> PRT
 <213> Homo sapiens

<400> 1203
 Met Asn Ser Ala Ala Gly Phe Ser His Leu Asp Arg Arg Glu Arg Val
 1 5 10 15

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Leu Lys Leu Gly Glu Ser Phe Glu Lys Gln Pro Arg Cys Ala Ser Thr
 20 25 30

Leu Cys

<210> 1204
 <211> 28
 <212> PRT
 <213> Homo sapiens

<400> 1204
 Thr Ile Tyr Pro Thr Glu Glu Glu Leu Gln Ala Val Gln Lys Ile Val
 1 5 10 15

Ser Ile Thr Glu Arg Ala Leu Lys Leu Val Ser Asp
 20 25

<210> 1205
 <211> 30
 <212> PRT
 <213> Homo sapiens

<400> 1205
 Arg Ala Leu Lys Gly Val Leu Arg Val Gly Val Leu Ala Lys Gly Leu
 1 5 10 15

Leu Leu Arg Gly Asp Arg Asn Val Asn Leu Val Leu Leu Cys
 20 25 30

<210> 1206
 <211> 39
 <212> PRT
 <213> Homo sapiens

<400> 1206
 Ala Leu Ala Ala Leu Arg His Ala Lys Trp Phe Gln Ala Arg Ala Asn
 1 5 10 15

Gly Leu Gln Ser Cys Val Ile Ile Ile Arg Ile Leu Arg Asp Leu Cys
 20 25 30

Gln Arg Val Pro Thr Trp Ser
 35

<210> 1207
 <211> 17
 <212> PRT
 <213> Homo sapiens

<400> 1207
 Gly Asp Ala Leu Arg Arg Val Phe Glu Cys Ile Ser Ser Gly Ile Ile
 1 5 10 15

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Leu

<210> 1208

<211> 16

<212> PRT

<213> Homo sapiens

<400> 1208

Leu Ala Phe Arg Gln Ile His Lys Val Leu Gly Met Asp Pro Leu Pro
 1 5 10 15

<210> 1209

<211> 342

<212> PRT

<213> Homo sapiens

<400> 1209

Thr Ile Tyr Pro Thr Glu Glu Glu Leu Gln Ala Val Gln Lys Ile Val
 1 5 10 15

Ser Ile Thr Glu Arg Ala Leu Lys Leu Val Ser Asp Ser Leu Ser Glu
 20 25 30

His Glu Lys Asn Lys Asn Lys Glu Gly Asp Asp Lys Lys Glu Gly Gly
 35 40 45

Lys Asp Arg Ala Leu Lys Gly Val Leu Arg Val Gly Val Leu Ala Lys
 50 55 60

Gly Leu Leu Leu Arg Gly Asp Arg Asn Val Asn Leu Val Leu Leu Cys
 65 70 75 80

Ser Glu Lys Pro Ser Lys Thr Leu Leu Ser Arg Ile Ala Glu Asn Leu
 85 90 95

Pro Lys Gln Leu Ala Val Ile Ser Pro Glu Lys Tyr Asp Ile Lys Cys
 100 105 110

Ala Val Ser Glu Ala Ala Ile Ile Leu Asn Ser Cys Val Glu Pro Lys
 115 120 125

Met Gln Val Thr Ile Thr Leu Thr Ser Pro Ile Ile Arg Glu Glu Asn
 130 135 140

Met Arg Glu Gly Asp Val Thr Ser Gly Met Val Lys Asp Pro Pro Asp
 145 150 155 160

Val Leu Asp Arg Gln Lys Cys Leu Asp Ala Leu Ala Ala Leu Arg His
 165 170 175

Ala Lys Trp Phe Gln Ala Arg Ala Asn Gly Leu Gln Ser Cys Val Ile
 180 185 190

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Ile Ile Arg Ile Leu Arg Asp Leu Cys Gln Arg Val Pro Thr Trp Ser
195 200 205

Asp Phe Pro Ser Trp Ala Met Glu Leu Leu Val Glu Lys Ala Ile Ser
210 215 220

Ser Ala Ser Ser Pro Gln Ser Pro Gly Asp Ala Leu Arg Arg Val Phe
225 230 235 240

Glu Cys Ile Ser Ser Gly Ile Ile Leu Lys Gly Ser Pro Gly Leu Leu
245 250 255

Asp Pro Cys Glu Lys Asp Pro Phe Asp Thr Leu Ala Thr Met Thr Asp
260 265 270

Gln Gln Arg Glu Asp Ile Thr Ser Ser Ala Gln Phe Ala Leu Arg Leu
275 280 285

Leu Ala Phe Arg Gln Ile His Lys Val Leu Gly Met Asp Pro Leu Pro
290 295 300

Gln Met Ser Gln Arg Phe Asn Ile His Asn Asn Arg Lys Arg Arg Arg
305 310 315 320

Asp Ser Asp Gly Val Asp Gly Phe Glu Ala Glu Gly Lys Lys Asp Lys
325 330 335

Lys Asp Tyr Asp Asn Phe
340

<210> 1210

<211> 12

<212> PRT

<213> Homo sapiens

<400> 1210

Met Glu Arg His Pro Lys Lys Lys Met Cys Ser Asp
1 5 10

<210> 1211

<211> 31

<212> PRT

<213> Homo sapiens

<400> 1211

Gly Glu Asn Ser Ser Ser Asp Phe Phe Pro Leu Phe Leu Phe Tyr Phe
1 5 10 15

Leu Val Ala Leu Ala Ser Pro Pro Ile Phe Val Ser Phe Ile Asn
20 25 30

<210> 1212

<211> 24

<212> PRT

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<213> Homo sapiens

<400> 1212

Met Gly Ser Gln His Ser Ala Ala Ala Arg Pro Ser Ser Cys Arg Arg
1 5 10 15

Lys Gln Glu Asp Asp Arg Asp Gly
20

<210> 1213

<211> 30

<212> PRT

<213> Homo sapiens

<400> 1213

Leu Leu Ala Glu Arg Glu Gln Glu Glu Ala Ile Ala Gln Phe Pro Tyr
1 5 10 15

Val Glu Phe Thr Gly Arg Asp Ser Ile Thr Cys Leu Thr Cys
20 25 30

<210> 1214

<211> 34

<212> PRT

<213> Homo sapiens

<400> 1214

Gln Gly Thr Gly Tyr Ile Pro Thr Glu Gln Val Asn Glu Leu Val Ala
1 5 10 15

Leu Ile Pro His Ser Asp Gln Arg Leu Arg Pro Gln Arg Thr Lys Gln
20 25 30

Tyr Val

<210> 1215

<211> 55

<212> PRT

<213> Homo sapiens

<400> 1215

Ala Arg Leu Asn Val Gly Arg Glu Ser Leu Lys Arg Glu Met Leu Lys
1 5 10 15

Ser Gln Gly Val Lys Val Ser Glu Ser Pro Met Gly Ala Arg His Ser
20 25 30

Ser Trp Pro Glu Gly Ala Ala Phe Cys Lys Lys Val Gln Gly Ala Gln
35 40 45

Met Gln Phe Pro Pro Arg Arg
50 55

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<210> 1216
 <211> 15
 <212> PRT
 <213> Homo sapiens

<400> 1216
 Ala Arg Leu Asn Val Gly Arg Glu Ser Leu Lys Arg Glu Met Leu
 1 5 10 15

<210> 1217
 <211> 20
 <212> PRT
 <213> Homo sapiens

<400> 1217
 Leu Lys Ser Gln Gly Val Lys Val Ser Glu Ser Pro Met Gly Ala Arg
 1 5 10 15

His Ser Ser Trp
 20

<210> 1218
 <211> 17
 <212> PRT
 <213> Homo sapiens

<400> 1218
 Ala Phe Cys Lys Lys Val Gln Gly Ala Gln Met Gln Phe Pro Pro Arg
 1 5 10 15

Arg

<210> 1219
 <211> 17
 <212> PRT
 <213> Homo sapiens

<400> 1219
 Ala Phe Cys Lys Lys Val Gln Gly Ala Gln Met Gln Phe Pro Pro Arg
 1 5 10 15

Arg

<210> 1220
 <211> 26
 <212> PRT
 <213> Homo sapiens

<400> 1220
 Asn Phe Phe Phe Val Cys Leu Phe Lys Ser Ser Leu Arg Leu Val Asn
 1 5 10 15

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Ser Ser Tyr Thr Pro Ile Leu Cys Val Leu
 20 25

<210> 1221
 <211> 37
 <212> PRT
 <213> Homo sapiens

<400> 1221
 Val Gln Val Leu Glu Gln Leu Thr Asn Asn Ala Val Ala Glu Ser Arg
 1 5 10 15

Phe Asn Asp Ala Ala Tyr Tyr Tyr Trp Met Leu Ser Met Gln Cys Leu
 20 25 30

Asp Ile Ala Gln Asp
 35

<210> 1222
 <211> 34
 <212> PRT
 <213> Homo sapiens

<400> 1222
 Pro Ala Gln Lys Asp Thr Met Leu Gly Lys Phe Tyr His Phe Gln Arg
 1 5 10 15

Leu Ala Glu Leu Tyr His Gly Tyr His Ala Ile His Arg His Thr Glu
 20 25 30

Asp Pro

<210> 1223
 <211> 27
 <212> PRT
 <213> Homo sapiens

<400> 1223
 Leu Ala Lys Gln Ser Lys Ala Leu Gly Ala Tyr Arg Leu Ala Arg His
 1 5 10 15

Ala Tyr Asp Lys Leu Arg Gly Leu Tyr Ile Pro
 20 25

<210> 1224
 <211> 36
 <212> PRT
 <213> Homo sapiens

<400> 1224
 Ala Arg Phe Gln Lys Ser Ile Glu Leu Gly Thr Leu Thr Ile Arg Ala
 1 5 10 15

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Lys Pro Phe His Asp Ser Glu Glu Leu Val Pro Leu Cys Tyr Arg Cys
 20 25 30

Ser Thr Asn Asn
 35

<210> 1225

<211> 73

<212> PRT

<213> Homo sapiens

<400> 1225

Pro Leu Leu Asn Asn Leu Gly Asn Val Cys Ile Asn Cys Arg Gln Pro
 1 5 10 15

Phe Ile Phe Ser Ala Ser Ser Tyr Asp Val Leu His Leu Val Glu Phe
 20 25 30

Tyr Leu Glu Glu Gly Ile Thr Asp Glu Glu Ala Ile Ser Leu Ile Asp
 35 40 45

Leu Glu Val Leu Arg Pro Lys Arg Asp Asp Arg Gln Leu Glu Ile Cys
 50 55 60

Lys Gln Gln Leu Pro Asp Ser Cys Gly
 65 70

<210> 1226

<211> 29

<212> PRT

<213> Homo sapiens

<400> 1226

Met Pro Tyr Ala Gln Trp Leu Ala Glu Asn Asp Arg Phe Glu Glu Ala
 1 5 10 15

Gln Lys Ala Phe His Lys Ala Gly Arg Gln Arg Glu Ala
 20 25

<210> 1227

<211> 36

<212> PRT

<213> Homo sapiens

<400> 1227

Phe Ser Val His Arg Pro Glu Thr Leu Phe Asn Ile Ser Arg Phe Leu
 1 5 10 15

Leu His Ser Leu Pro Lys Asp Thr Pro Ser Gly Ile Ser Lys Val Lys
 20 25 30

Ile Leu Phe Thr
 35

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